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# QUEEN'S UNIVERSITY

KINGSTON, CANADA



INCORPORATED BY ROYAL CHARTER IN 1841

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## CALENDAR of THE FACULTY OF MEDICINE

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ONE HUNDRED AND FIRST SESSION

1952-53

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52/53

The attention of prospective m  
statement on page 39 concerning  
admission.

All announcements and rec  
Calendar apply to the current sess

The Faculty of Medicine rese  
changes in the regulations and cou  
experience may prove desirable.

All requests for information  
Secretary of the Medical Faculty,  
Ontario.

## Queen's University Library

KINGSTON, ONTARIO

# QUEEN'S UNIVERSITY

KINGSTON, CANADA



INCORPORATED BY ROYAL CHARTER IN 1841

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## **CALENDAR**

**of**

## **THE FACULTY OF MEDICINE**

---

ONE HUNDRED AND FIRST SESSION

1952-53



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## 1952

[illegible]

## 1953

[illegible]



## ACADEMIC YEAR

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### One Hundred and First Session

1952

August 18, Monday—Supplemental examinations for first, second, third, fourth and fifth years begin. (Clinical examinations will be held in Kingston during the week of September 8).

September 15, Monday—Registration.

September 16, Tuesday—Classes open.

October 6, Monday—Thanksgiving Day.

October 16, Thursday—University Day.

December 20, Saturday—Christmas holidays begin at 12 noon.

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1953

January 5, Monday—Classes re-open at 8.00 a.m.

April 2, Thursday—Easter recess begins at 5.30 p.m.

April 3, Friday—Good Friday.

April 5, Sunday—Easter Sunday.

April 8, Wednesday—Classes re-open.

May 2, Saturday—Classes close.

May 4, Monday—Final examinations begin for first, second, third, fourth, and fifth years.

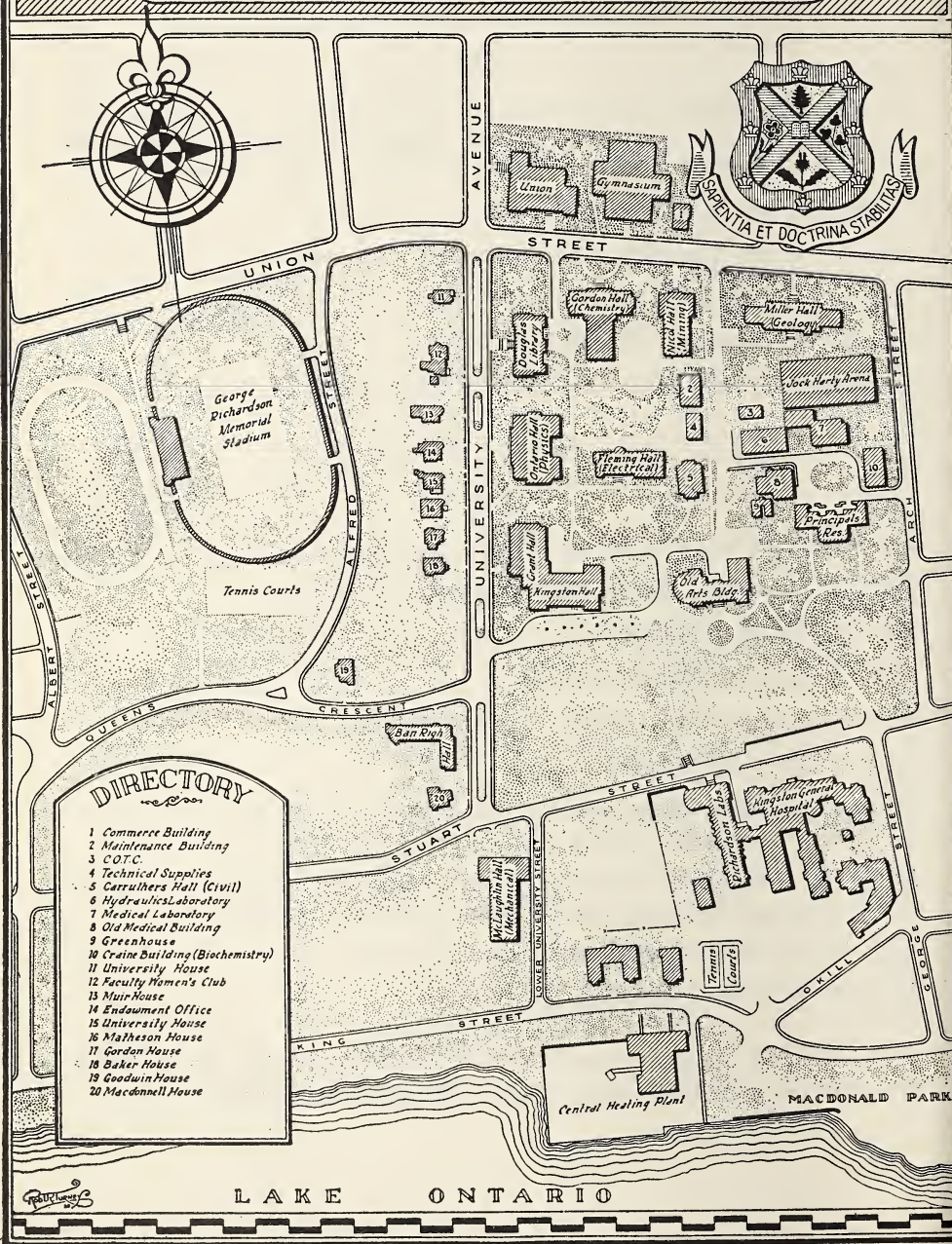
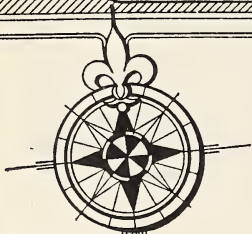
May 16, Saturday—University Convocation for conferring degrees upon graduates of the Faculties of Arts and Science.

May 13-20—Conjoint examinations for the sixth year.

May 30, Saturday—Medical Convocation.

It is to be clearly understood that the above dates are tentative and may be altered in consideration of changed conditions.

QUEEN'S UNIVERSITY  
KINGSTON — — — ONTARIO  
PLAN OF BUILDINGS AND GROUNDS



LAKE ONTARIO

# TIME TABLE FOR FIRST YEAR

Hours	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
9-10	Physics	Chemistry	Physics	Chemistry	Physics	
10-11	English	Physics Lab. B	English	Physics Lab. A	English	
11-12	Biology	Physics Lab. B Phys. Ed. A	Biology	Physics Lab. A Phys. Ed. B	Biology	
1.30-2.30	Chemistry Lect.	Biology Lab.	Phys. Ed.	Biology Lab.	Chemistry Lab.	
2.30-3.30	Chemistry Lab.	Biology Lab.	*First Aid	Biology Lab.	Chemistry Lab.	
3.30-4.30	Chemistry Lab.	Biology Lab.		Biology Lab.	Chemistry Lab.	

\* Practical work in First Aid will be given in evening sessions to be arranged.

# TIME TABLE FOR SECOND YEAR

Hours	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
9-10	Organ. Chem.	H.E. Lab. A Physics B	H.E. Lab. B Physics A	Organ. Chem.	H.E. Lab. B Chem. Lab. A	
10-11	*H.E. Lect.	H.E. Lab. A Physics B	H.E. Lab. B Physics A	H.E. Lab. A Chem. Lab. B	H.E. Lab. B Chem. Lab. A	
11-12	Physics	H.E. Lect.	H.E. Lect.	H.E. Lab. A Chem. Lab. B	Physics	
1.30-2.30	Anatomy	Psychol.	Anatomy	Psychol.	Anatomy	
2.30-3.30	Anatomy	Anatomy	Anatomy	Neuro- Anatomy	Anatomy	
3.30-4.30	Anatomy	Anatomy	Anatomy	Neuro- Anatomy	Anatomy	
4.30-5.30	Anatomy	Anatomy		Neuro- Anatomy	Anatomy	

\* Histology — Embryology.



# TIME TABLE FOR THIRD YEAR

Hours	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
9-10	Bacteriology	Physiology	Bacteriology	Physiology	Bacteriology	Biochemistry
10-11	Physiology	Anatomy	Anatomy	Anatomy	Physiology	
11-12	Biochemistry	Biochemistry	Anatomy	Anatomy	Biochemistry	
1-30-2.30	Bacteriology A Physiology B	Bacteriology B Physiology A	Bacteriology A Biochemistry B	Bacteriology B Biochemistry A	Statistics	
2.30-3.30	Bacteriology A Physiology B	Bacteriology B Physiology A	Bacteriology A Biochemistry B	Bacteriology B Biochemistry A	Psychopathology	
3.30-4.30	Bacteriology A Physiology B	Bacteriology B Physiology A	Bacteriology A Biochemistry B	Bacteriology B Biochemistry A	Clinical Physiology	
4.30-5.30	Physiology B	Physiology A				

# TIME TABLE FOR FOURTH YEAR

Hours	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
8-9	Surgery	Surgery	Surgery	Surgery	Surgery	Surgery
9-10	Pharmacology	Pharmacology	*Prev. Medicine	Pharmacology	*Prev. Medicine	Psychiatry
10-11	*Prev. Medicine	*Prev. Medicine	Medicine	Medicine	Pharmacology	Pathology
11-12	Medicine	Medicine	Medicine	Medicine	Medicine	Conference
1-2		Pathology	Public Health	Pathology	Pathology	
2-3	Radiology	Pharmacology A Public Health B	Pharmacology B Public Health A	Pathology	Pathology	
3-4	Pathology	Pharmacology A Public Health B	Pharmacology B Public Health A	Pathology	Pathology	
4-5		Pharmacology A	Pharmacology B			

\* First term only.

# TIME TABLE FOR FIFTH YEAR

Hours	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
8-9	Obstetrics	Obstetrics	Obstetrics	Obstetrics	Obstetrics	Obstetrics
9-10	Medicine	E. E. N. & T.	E. E. N. & T.	*Prev. Medicine	Urology	*Prev. Medicine
10-11	Medicine	Medicine	Medicine	Medicine	Medicine	Medicine
11-12	Surgery	Surgery	Surgery	Surgery	Surgery	Conference
1-2	Pediatrics	Pediatrics A Obstetrics B	Pediatrics B Obstetrics A		*Prev. Medicine	
2-3	Anesthesiology	Radiology	Pathology Parasitology	Psychiatry	Radiology	
3-4	*Prev. Medicine	Pathology	Pathology Parasitology	Psychiatry	Jurisprudence	

\* Second term only.

The Pathology and Parasitology classes meet in sections on alternate Wednesdays.

# TIME TABLE FOR SIXTH YEAR

The programme for the Sixth Year consists entirely of clinical work in The Ottawa Civic Hospital and the Hospitals of Kingston, the details of which are arranged annually.



## HISTORY OF THE UNIVERSITY

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Queen's University owes its origin to the desire of the Synod of the Presbyterian Church in Canada in connection with the Church of Scotland for a ministry trained within the country. As early as 1832 the Provincial Government had been petitioned "to endow without delay an institution, or professorships, for the education and training of young men for the ministry in connection with the Synod." This and other representations failing of their object, steps were taken by the Synod to found a college at Kingston on the lines of the Scottish National Universities. On October 16th, 1841, a Royal Charter was issued by Her Majesty Queen Victoria for the establishment of Queen's College, Kingston, and the first classes were opened in March, 1842, with the Rev. Dr. Liddell as Principal. Funds were provided in part by grants from the Presbyterian Church in Scotland, and from the Canadian Government, and in part by liberal subscriptions from the friends of the young and growing University. In 1867-68 the withdrawal of the Provincial grant, and the failure of the Commercial Bank, which swept away the greater part of the endowment, almost brought financial disaster. But the crisis was met by the determination of Principal Snodgrass and of other self-denying workers chief among whom was Professor Mackerras. The country was canvassed for subscriptions, and as a result of the widespread interest aroused, \$113,000 was added to the endowment.

In 1877 Principal Snodgrass was succeeded by the Rev. G. M. Grant who for a quarter of a century built with brilliant success upon the foundation laid by his predecessors. Under his guidance the University gained rapidly in size and prestige. In 1887, as the result of an effort in commemoration of the Queen's Jubilee, \$250,000 was raised, resulting in further extension, and in the establishment of new professorships.

Principal Grant died in 1902, and was succeeded in the following year by the Very Rev. D. M. Gordon. In 1916, owing to ill-health, Principal Gordon resigned his position but continued in office until the autumn of 1917, when the Rev. R. Bruce Taylor was appointed as his successor. In 1930 Principal Taylor resigned his position and went abroad to live, and Dr. J. C. Connell was appointed Acting-Principal until a new Principal should be found. In October, W. Hamilton Fyfe, Head of Christ's Hospital, England, and formerly Fellow of Merton

College, Oxford, was installed as Principal. Dr. Fyfe resigned in 1936 to accept the Principalship of the University of Aberdeen, Scotland. Dr. Fyfe was succeeded by Principal R. C. Wallace, President of the University of Alberta from 1928 to 1936. Dr. Wallace retired in September, 1951, and was succeeded by Principal William A. Mackintosh, the first Queen's graduate to hold the principalship.

In 1854 the Medical Faculty of Queen's was established. It was reorganized in 1866 as the Royal College of Physicians and Surgeons in affiliation with the University, but in 1891 the original status was resumed.

Queen's led the way in co-education. As early as 1870 special classes in English and other subjects were formed for women, but courses leading to a degree were not thrown open to them until 1878-79. In 1880 co-education was extended to the medical course, and in 1883 a separate Women's Medical College was opened and affiliated with Queen's. It was closed in 1894, as similar facilities were offered in Toronto and elsewhere. In 1943, for the first time in 49 years, women were again admitted to the Faculty of Medicine.

In 1907 the Ontario Government established at Queen's a Faculty of Education for the purpose of providing professional training for teachers in the secondary schools of the Province. In 1920, however, the work of the Faculty was discontinued because of the decision of the Government to extend the scope of the Normal Schools and to create in Toronto the Ontario College for Teachers.

The School of Mining was founded in 1893 under an Ontario charter and for several sessions all its departments were housed in Carruthers Hall, erected in 1889. The Provincial Legislature in 1900 provided Ontario Hall for the Departments of Physics, Geology and Mineralogy and Fleming Hall for the Departments of Civil, Mechanical, and Electrical Engineering. In 1911 the Provincial Government erected Gordon Hall, which is entirely used by the Departments of Chemistry and Chemical Engineering, and through the generosity of the late Professor Nicol and other graduates, Nicol Hall was built to provide class rooms and laboratories for the Department of Mining and Metallurgy. The School of Mining was amalgamated with the University in 1916 and now constitutes its Faculty of Applied Science.

There is now on the University Campus a stately group of buildings, comprising the Old Arts Building (now the Theological Building); Carruthers Hall (Civil Engineering); Kingston Hall (Arts), the gift of the city of Kingston; Grant Hall, erected by students, graduates and friends in honour of Principal Grant; Ontario Hall

(Physics); Fleming Hall (Electrical Engineering); Gordon Hall (Chemistry and Chemical Engineering); Nicol Hall (Mining and Metallurgy); the Medical Building (Anatomy and Preventive Medicine); the Medical Laboratories Building; the Craine Building, named in honour of Dr. Agnes Douglas Craine who left a capital sum of \$375,000 for the teaching of Biochemistry; the Gymnasium; Miller Hall (Geological Sciences), named in memory of the late Dr. W. G. Miller; the Douglas Library, named in memory of Dr. James Douglas, a former chancellor of the University; McLaughlin Hall (Mechanical Engineering), erected through the generosity of Colonel R. S. McLaughlin, LL.D.; the New Students' Memorial Union.

Queen's University, though founded by a Church, was dedicated to the nation. As its constituency expanded, its constitution was gradually broadened until finally in 1912, as a result of an amicable arrangement between the Presbyterian Church and the Trustees of the University, an act was passed by the Dominion Parliament removing the last vestige of denominational control. The registration of students has grown from 665 in 1900 to over 4,000 in the present session, and Queen's has become nation-wide in its work and influence.

## GOVERNMENT AND ADMINISTRATION

---

The administration of the University is vested in the Board of Trustees, the University Council, the Senate, and the Faculty Boards.

### THE BOARD OF TRUSTEES

The Board of Trustees consists of the Chancellor, the Principal, and the Rector; one representative from each affiliated college; representatives, as provided for by the Statutes, from the University Council, the Benefactors, the Graduates; and members elected by the Board of Trustees.

The functions of the Board of Trustees are to manage the finances, to possess and care for the property, to procure legislation, to appoint instructors and other officers, and in general to attend to such external matters as do not relate directly to instruction.

### THE UNIVERSITY COUNCIL

The University Council consists of the Chancellor, the Trustees, the members of the Senate, and an equal number of members elected by the Graduates from their own members.

The annual meeting of the Council is held on the day immediately preceding the Spring Convocation.

The functions of the Council are:

(1) To elect the Chancellor, except when two or more candidates are nominated, in which case the election is by registered graduates.

(2) To elect six trustees, two of whom shall retire annually.

(3) To make by-laws governing the election of the Rector by the registered students, of seven trustees by the benefactors, of six trustees by the University Council, and of six trustees by the graduates.

(4) To discuss all questions relating to the University and its welfare.

(5) To make representation of its views to the Senate or the Board of Trustees.

(6) To decide on proposals for affiliation.

(7) To arrange all matters pertaining to (a) its own meetings and business, (b) the meetings and proceedings of Convocation, (c) the installation of the Chancellor, (d) the fees for memberships, registration and voting.



## THE SENATE

The Senate consists of:

The Principal.

The Vice-Principal.

The Principal of Queen's Theological College.

The Dean of the Faculty of Arts.

The Dean of the Faculty of Medicine.

The Dean of the Faculty of Applied Science.

Three Professors elected by the Faculty of Arts.

Three Professors elected by the Faculty of Medicine.

Three Professors elected by the Faculty of Applied Science.

One Professor elected by the Faculty of Queen's Theological College.

The functions of the Senate are:

(1) To determine all matters of an academic character which concern the University as a whole.

(2) To consider and determine all courses of study leading to a degree, including conditions of Matriculation, on recommendation of the respective Faculty Boards; but the Senate shall not embody any changes without having previously presented these to the Faculty.

(3) To recommend to the Board of Trustees the establishment of any additional Faculty, Department, Chair or Course of Instruction in the University.

(4) To be the medium of communication between the Alma Mater Society and the Governing Boards.

(5) To determine all regulations regarding the social functions of the students within the University, and regarding the University Library and University Reading Rooms.

(6) To publish the University Calendars.

(7) To conduct Examinations.

(8) To grant Degrees.

(9) To award University Scholarships, Medals, and Prizes.

(10) To enforce the Statutes, Rules, and Ordinances of the University.

(11) To make such recommendations to the Governing Boards as may be deemed expedient for promoting the interests of the University.



## THE FACULTY BOARD

The Dean, Professors, Associate Professors, and Assistant Professors, have power to meet as a separate board, and to administer the affairs of the Faculty under such regulations as the Board of Trustees may prescribe. The Principal and Vice-Principal are members of the Faculty Board, of which the Principal is ex-officio president.

The functions of the Faculty Board are:

(1) To recommend to the Senate courses of study leading to a degree, and the conditions of admission.

(2) To decide upon applications for admission or for change of course, subject to the regulations of the Senate.

(3) To submit to the Senate names for both ordinary and honorary degrees.

(4) To arrange the time-table for classes and to edit the Faculty Calendar, subject to the approval of the Senate.

(5) To control registration, and determine the amount of fees and manner of payment, subject to the regulations of the Senate.

(6) To deal with class failures.

(7) To exercise academic supervision over students.

(8) To make such recommendations to the Senate as may be deemed expedient for promoting the efficiency of the University.

(9) To make recommendations to the Senate for the award of Faculty Scholarships, Medals, and Prizes.

(10) To appoint such sessional assistants, fellows, tutors, and demonstrators as shall be needed to give instruction in the subjects taught by the Faculty.

(11) To pass such regulations and by-laws as may be necessary for the exercise of the functions of the Faculty.

# OFFICERS OF ADMINISTRATION

## THE UNIVERSITY

CHANCELLOR—The Honourable Charles Avery Dunning, P.C., LL.D.  
CHAIRMAN OF THE BOARD OF TRUSTEES—J. M. Macdonnell, M.C., Q.C.,  
M.A., LL.D., M.P.

RECTOR—L. W. Brockington, C.M.G., Q.C., D.C.L., LL.D.

VICE-CHANCELLOR AND PRINCIPAL —

W. A. Mackintosh, C.M.G., M.A., Ph.D., LL.D., F.R.S.C.

VICE-PRINCIPAL EMERITUS—W. E. McNeill, M.A., Ph.D., D.C.L., LL.D.,  
F.R.S.C.

VICE-PRINCIPAL—J. A. Corry, LL.B., B.C.L., LL.D., F.R.S.C.

REGISTRAR—Jean I. Royce, B.A.

DEAN OF WOMEN—A. Vibert Douglas, M.B.E., M.Sc., Ph.D., F.R.A.S.

ASSISTANT TO THE PRINCIPAL—J. A. Edmison, Q.C., B.A.

LIBRARIAN—H. P. Gundy, M.A.

TREASURER—M. C. Tillotson, M.B.E., B.Com., M.B.A.

WARDEN, STUDENTS' MEMORIAL UNION—J. E. Wright, M.B.E.

DIRECTOR, DEPARTMENT OF UNIVERSITY EXTENSION—H. W. Curran, B.S.,  
M.A., Ph.D.

DIRECTOR OF SUMMER SCHOOL—H. L. Tracy, B.A., Ph.D.

DIRECTOR, SCHOOL OF NURSING—Jenny M. Weir, B.Sc., M.A., Reg.N.

DIRECTOR, SCHOOL OF PHYSICAL AND HEALTH EDUCATION—F. L. Bartlett,  
B.A.

ASSISTANT REGISTRAR—K. Jean Richardson, B.A.

ASSISTANT TREASURER—J. W. Bannister, B.Com.

ASSISTANT DIRECTOR, DEPARTMENT OF UNIVERSITY EXTENSION—Kathleen  
L. Healey.

MEDICAL OFFICER—W. A. Young, B.A., M.D.C.M., F.R.C.P. (C)

UNIVERSITY CHAPLAIN—Rev. A. M. Laverty, B.A., B.D.

ASSISTANT TO DIRECTOR OF ENDOWMENT—J. G. Chance, B.A.

CHIEF PROCTOR—H. S. Pollock, M.Sc.

SECRETARY OF THE GENERAL ALUMNI ASSOCIATION AND MANAGER OF  
THE EMPLOYMENT BUREAU—H. J. Hamilton, B.A.

DIRECTOR OF PUBLICITY—D. G. Dewar, B.A., B.S.W.

SECRETARY-TREASURER OF THE ATHLETIC BOARD OF CONTROL—Charles  
Hicks.

MAINTENANCE ENGINEER AND SUPERINTENDENT OF BUILDINGS—R. Hinton.

ASSISTANT TO THE SUPERINTENDENT OF BUILDINGS—F. R. Leadlay, B.Sc.

## THE FACULTY OF ARTS

(Founded 1841)

DEAN—R. O. Earl, E.D., B.A., S.M., Ph.D.

SECRETARY—Jean I. Royce, B.A.

## THE FACULTY OF MEDICINE

(Founded 1854)

DEAN—G. H. Ettinger, M.B.E., B.A., M.D., C.M., F.R.S.C.

SECRETARY—H. D. McEwen, M.A., Ph.D.

## THE FACULTY OF APPLIED SCIENCE

(Founded 1893)

DEAN—D. S. Ellis, D.S.O., V.D., B.Sc., M.A., M.C.E.

SECRETARY—A. Jackson, B.Sc.

## THE BOARD OF TRUSTEES

CHAIRMAN—J. M. Macdonnell, M.C., Q.C., M.A., LL.D., M.P.

SECRETARY—M. C. Tillotson, M.B.E., B.Com., M.B.A.

ASSISTANT SECRETARY—J. W. Bannister, B.Com.

## EX-OFFICIO MEMBERS

THE CHANCELLOR

THE PRINCIPAL

THE RECTOR

## ELECTIVE MEMBERS

*Retire 1953*

J. O. Baker, E.D., M.D., C.M. <sup>3</sup>	Edmonton, Alta.
Rev. G. A. Brown, M.A., B.D., D.D. <sup>5</sup>	Kingston, Ont.
Mrs. H. B. Campbell, B.A. <sup>3</sup>	Montreal, Que.
D. A. Gillies, B.A. <sup>7</sup>	Arnprior, Ont.
Donald Gordon, C.M.G., LL.D. <sup>6</sup>	Montreal, Que.
J. E. McAskill, M.D., C.M. <sup>1</sup>	Watertown, N.Y.
T. A. McGinnis, B.Sc. <sup>2</sup>	Kingston, Ont.
A. G. MacLachlan, B.Sc. <sup>1</sup>	Kingston, Ont.
D. I. McLeod, B.A. <sup>6</sup>	Toronto, Ont.
W. A. Newman, C.B.E., B.Sc. <sup>4</sup>	Montreal, Que.

### Retire 1954

H. G. Bertram, B.Sc., LL.D. <sup>1</sup>	Dundas, Ont.
R. O. Campney, Q.C., B.A., M.P. <sup>1</sup>	Vancouver, B. C.
J. M. Farrell, Q.C., B.A., LL.D. <sup>6</sup>	Kingston, Ont.
R. D. Harkness, D.S.O., M.C., B.Sc. <sup>7</sup>	Montreal, Que.
M. N. Hay, B.Sc. <sup>4</sup>	Kingston, Ont.
J. M. Macdonnell, M.C., Q.C., M.A., M.P. <sup>2</sup>	Toronto, Ont.
W. E. McNeill, M.A., Ph.D., D.C.L., LL.D., F.R.S.C. <sup>6</sup>	Kingston, Ont.
Mrs James Richardson LL.D. <sup>6</sup>	Winnipeg, Man.
B. M. Stewart, MA., Ph.D. <sup>3</sup>	Hartsdale, N.Y.

### Retire 1955

The Honourable Mr. Justice C. A. Cameron, B.A. <sup>1</sup>	Ottawa, Ont.
W. C. Clark, C.M.G., M.A., LL.D. <sup>3</sup>	Ottawa, Ont.
Elmer Davis, Esq. <sup>6</sup>	Kingston, Ont.
Miss Florence S. Dunlop, M.A., Ph.D. <sup>6</sup>	Ottawa, Ont.
D. D. Findlay, B.Sc. <sup>3</sup>	Carleton Place, Ont.
E. C. Gill B.A. <sup>6</sup>	Toronto, Ont.
J. C. Macfarlane, Q.C., M.A., D.C.L. <sup>1</sup>	Toronto, Ont.
A. E. MacRae, B.Sc. <sup>7</sup>	Ottawa, Ont.
D. K. MacTavish, Q.C., B.A. <sup>2</sup>	Ottawa, Ont.
J. B. Stirling, B.A., B.Sc., LL.D. <sup>4</sup>	Montreal, Que.

### Retire in 1956

Mrs. D. W. Boucher, B.A., M.Sc. <sup>2</sup>	Kingston, Ont.
Senator A. C. Hardy, Q.C., P.C., B.A., LL.D. <sup>6</sup>	Brockville, Ont.
H. G. Hilton, B.Sc. <sup>6</sup>	Hamilton, Ont.
Dennis Jordan, B.A., M.D., C.M. <sup>6</sup>	Toronto, Ont.

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<sup>1</sup> Elected by the University Council for three years.

<sup>2</sup> Elected by the Benefactors for four years.

<sup>3</sup> Elected by the Graduates for three years.

<sup>4</sup> Elected by the Board of Trustees to represent the Faculty of Applied Science for three years.

<sup>5</sup> Appointed by the Governing Board of Queen's Theological College for one year.

<sup>6</sup> Elected by the Board of Trustees for four years.

<sup>7</sup> Elected by the Benefactors to represent the Faculty of Applied Science for three years.

## THE UNIVERSITY COUNCIL

### Secretary

IAN MACLACHLAN, B.A., B.Sc.

### EX-OFFICIO MEMBERS

THE CHANCELLOR

THE PRINCIPAL

THE MEMBERS OF THE BOARD OF TRUSTEES

THE MEMBERS OF THE SENATE

### ELECTIVE MEMBERS

#### Retire 1953

O. E. Ault, B.A., B. Paed., Ph.D. ....	Ottawa, Ont.
M. J. Aykroyd, B.Sc. ....	Toronto, Ont.
A. F. G. Cadenhead, B.A., D.Sc. ....	Montreal, Que.
Mrs. R. B. Crummy, B.A. ....	Vancouver, B.C.
J. F. Houston, M.D., C.M. ....	Hamilton, Ont.
J. R. Leng, M.C., B.A., B.D. ....	Toronto, Ont.
*A. G. MacLachlan, B.Sc. ....	Kingston, Ont.
G. C. Monture, O.B.E., B.Sc., D.Sc. ....	Ottawa, Ont.
Wallace Troup, M.D., C.M. ....	Ottawa, Ont.

#### Retire 1954

C. H. Bland, C.M.G., B.A. ....	Ottawa, Ont.
*Hon. Mr. Justice C. A. Cameron, B.A. ....	Ottawa, Ont.
Mrs. D. M. Chown, B.A. ....	Kingston, Ont.
J. M. Courtright, B.A., B.Sc. ....	Toronto, Ont.
D. G. Geiger, B.Sc. ....	Toronto, Ont.
H. J. Hamilton, B.A. ....	Kingston, Ont.
R. H. Hay, M.Sc., Ph.D. ....	Kingston, Ont.
J. E. Plunkett, Phm.B., M.D., C.M., F.R.C.P.(C), F.A.C.P. ....	Ottawa, Ont.
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R. E. Smart, M.D., F.A.C.S., D.O.M.S., D.A.B.O.

165 Clemow Avenue

E Wolstein, B.Sc., M.D., C.M., D.O.M.S. . . . . 69 Ruskin Avenue

*Clinical Asisstant in Ophtalmology*

F. R. Clinkett, M.D. . . . . 714 Parkdale Avenue

*Associates in Orthopedic Surgery*

G. W. Armstrong, M.B., M.D., F.A.C.S. . . . . 50 Carling Avenue

H. I. J. Kellam, M.D., F.R.C.S. (C), F.R.C.S. (Ed.),  
F.I.C.S., F.A.C.S. . . . . Laurentian Club

*Associates in Oto-Laryngology*

J. K. M. Dickie, M.B., M.D., F.R.C.S. (C), F.R.C.S. (Ed.)  
145 Pontiac Street

W. P. E. Patterson, M.D., C.M., F.A.C.S. . . . . 21 Opeongo Road

*Clinical Assistant in Oto-Laryngology*

J. R. Delahay, M.D., C.M. . . . . 379 Huron Avenue

*Associate in Therapeutic Radiology*

T. G. Stoddart, M.D., C.M. . . . . 238 Sherwood Drive

*Associates in Traumatic Surgery*

J. C. Samis, M.D., C.M., F.R.C.S. (C), F.R.C.S. (Ed.)  
68 Reid Avenue

J. W. R. Webster, M.B. . . . . 301 MacLaren Street

*Clinical Assistants in Traumatic Surgery*

H. E. Minnes, M.D., C.M. . . . . 456 Lansdowne Road

K. E. G. Wilson, M.D., C.M., F.R.C.S. (C) . . 734 Island Park Drive

*Associates in Urology*

J. V. Berry, M.D., C.M. . . . . 33 Monkland Avenue

W. E. Collins, M.D., C.M., F.R.C.S. (C), F.A.C.S.  
11 Clemow Avenue

J. E. Nichol, M.D., C.M. . . . . 382 Second Avenue

*Instructor in Surgery*

D.M.Thomson, B.S., M.D., F.R.C.S. (Eng.), F.R.C.S. (C)  
698 Bronson Avenue

# EQUIPMENT AND SPECIAL FACILITIES

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## THE MEDICAL BUILDINGS

The Old Medical Building, erected in 1858, was destroyed by fire in August, 1924. It has been replaced by a fire-proof structure which houses the departments of Anatomy and Preventive Medicine.

In the Medical Laboratories building are conducted the courses in Bacteriology, Histology and Embryology, and Physiology.

The department of Pathology is housed in the Richardson Laboratory, attached to the Clinic building, General Hospital.

The Craine Building houses the three departments of Biochemistry, Pharmacology, and Obstetrics.

## THE LABORATORIES

### THE BIOLOGICAL LABORATORIES

The classes in the Department of Biology are conducted in the Old Arts building.

There is a large laboratory for General Botany, one for General Zoology, and one for Medical Biology, as well as smaller laboratories for Plant Physiology and Advanced Botany. Laboratories are available also for research in Plant Physiology, Cytology, and the growth of populations.

The laboratories in Bacteriology are situated on the second and third floors of the Medical Laboratories building; that for Experimental Physiology occupies the west side of the second floor of the building and has all appliances necessary for 30 students working at one time. The work in Histology and Embryology is conducted on the west side of the first floor, where there is accommodation for 120 students.

### THE CHEMICAL LABORATORIES

The Chemical Laboratories are in Gordon Hall to which a large extension was added in 1949 to provide additional accommodation for Chemistry and to house the Department of Chemical Engineering. In the older building there are laboratories for Electrochemistry and Medical Organic Chemistry on the fourth floor, three laboratories for General Chemistry on the third floor, three laboratories for Quantitative Analysis and one for Organic Chemistry on the second floor and three for Qualitative Analysis on the first or basement floor. On the fourth floor of the extension are laboratories for Physical and Colloid Chemistry; the third floor contains several offices, numerous research laboratories and a workshop. The second floor has a large laboratory for

Organic Chemistry adjoining the Organic laboratory of the older building. In this portion of the building there is a considerable number of research laboratories as well as professorial offices and private research laboratories. The laboratories contain much special research apparatus.

The Biochemistry Laboratory is in the Craine Building.

### THE PHYSICAL LABORATORIES

The Physics Laboratories, except for a room used by the School of Navigation, occupy the whole of Ontario Hall. The basement contains a research workshop, a liquid air plant, a large elementary laboratory, rooms for advanced instruction in optics and in heat, and research rooms. A synchrotron manufactured by the General Electric Company and capable of producing electrons and X-rays of energies varying from twenty-five to seventy million electron volts was installed during the Session of 1949-50. It is the only instrument of its type in operation in Canada. Very little is known about the properties of electrons and X-rays in this range of energies so that there is practically a virgin field for research. As the X-rays are very penetrating, the instrument is in an underground room, with a control desk at ground level.

On the main floor there are several laboratories for first and second year classes, a large room for advanced classes in atomic physics, two lecture rooms and a room suitable for lectures and for working problems. The second floor has two large lecture rooms, laboratories for electrical measurements, for mechanics and for research, and a library. Part of the attic is used by the technician and curator of the department, the remainder contains an excellent workshop for the use of senior students and staff members, a storage battery room, an acid room, a laboratory for standard measurements, and a group of research rooms.

Private offices and research laboratories are to be found throughout the building.

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### THE HOSPITALS

The General Hospital is the centre for clinical teaching and all members of its staff are nominated by the Medical Faculty. The Douglas Building houses the Public Wards, Operating Theatres, X-ray, Radio-therapy and Electro-therapeutic departments and various out-patient services. The Nickle Wing is occupied by the Obstetrical department and the Doran Wing is the Children's Hospital. The Isolation Hospital forms part of the General Hospital group and is



under its administration. This Hospital affords full opportunity for clinical teaching in infectious diseases.

In the Hotel Dieu Hospital certain public wards are used for clinical teaching by members of its staff nominated by the Medical Faculty.

Similar arrangements hold at St. Mary's of the Lake Hospital.

The Ontario Hospital for Mental Diseases is open for clinical instruction. Its staff are responsible for the teaching of mental diseases. Its large population affords much material for medical, surgical, gynecological and pathological teaching by members of staff of the Medical Faculty.

Ongwanada Sanitorium operated by the East Central Counties Tuberculosis Association with a capacity of one hundred and fifty beds is affiliated with the University for teaching purposes in diseases of the chest.

The Ottawa Civic Hospital, Carling Avenue, Ottawa, including its Veterans' Pavilion, has 900 beds. Affiliated with the hospital is also a Communicable Diseases Division of 145 beds devoted to contagious diseases. The hospital proper while chiefly made up of active medical, surgical and gynecological services has 80 beds and 80 bassinets for maternity patients and 80 for pediatrics and beds also reserved for the surgical specialties. It conducts an organized Out Patient Department. There are six main operating theatres, a cystoscopic room and out patient and emergency operating rooms and a room for fluoroscopic and fracture work. Auxiliary departments housed in the main building include Radiology, Tumor Clinic, Pathology, Blood Bank, Physiotherapy and Pharmacy. A new Pathological wing is in the process of erection. During the war a Veterans' Pavilion of four wards of sixty beds each was constructed for active treatment of veterans. Total admissions amount to some 21,000 a year, of which about 50% are surgical and gynecological.

Internships in the above hospitals are available to members of the final year on graduation. Applications should be made directly to the superintendent of the hospital concerned.

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## ONTARIO CANCER FOUNDATION, KINGSTON CLINIC

The Ontario Cancer Foundation, Kingston Clinic for the Diagnosis and treatment of Cancer and Allied Diseases, is operated by the Ontario Cancer Foundation, which was established by the Ontario Government in 1943. The funds of the Foundation were supplied partly by the Provincial Government but the greater amount came



from public subscription. It is situated on the ground floor, Victory Wing of the Kingston General Hospital. The Clinic Staff, who are employed part time, are Officers of Instruction of the Medical Faculty of the University. The policy of the Foundation is to encourage the use of this clinic for the teaching of students at Queen's University.

While this is not a free clinic, the assistance through public subscription has made it possible to carry on the work at a much less charge to the patient than would ordinarily be the case, and if conditions warrant it no charge is made.

Facilities for treatment include all branches of surgery. This work is done for the most part in the Kingston General Hospital. For irradiation therapy there are available 590 mgms. radium, radon from the Ontario Department of Health and x-ray therapy with 100 K.V., 200 K.V. and 400 K.V. All types of radiotherapy are carried out in the Clinic.

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### THE LIBRARY

The Douglas Library, named for Chancellor James Douglas, LL.D. (1837-1918), was opened in 1924. Opposite the main entrance, it enshrines the Memorial Cenotaph where a bronze plaque records the names of 178 Queen's students and graduates who sacrificed their lives 1914-1918.

The ground floor houses a well-equipped book-bindery. On the first floor are the Librarian's Office; the Treasure Room, containing Queen's archives, rare books, manuscripts and incunabula; the Order Offices; entrance to the Stacks; and the Music Room which contains a record library of about 3,000 discs, a combination radio and record-player, a grand piano, well-appointed furnishings, and a music reference library of about 1,100 volumes and 1,200 music scores. On the second floor are the Lorne Pierce Room, housing a collection of Canadiana rich in first editions, rare items, and original manuscripts; the Map Room which contains an extensive collection of historical maps, Canadian and British official war maps of World War II, and the McNicol Collection of works relating to telegraphy, telephony, and radio.

The Main Reading Room with arched ceiling, mullioned windows featuring printers' devices in stained glass, dark oak furnishings, and fluorescent lighting, runs the entire length of the third floor. On open shelves are current numbers of over 800 periodicals and about 5,000 general reference works; three vertical files contain pamphlet material on current topics. The Card Catalogue indexes all library holdings; the system of classification is that of the Library of Congress. The

Circulation, Reference, and Reserved Books departments, the Art Room and the Microfilm Room are all on the third floor.

There are five tiers of stacks at the north and south ends of the Library and two in the central part of the building. The Government Document section contains about 50,000 items, the general collection over 220,000 volumes. Many paintings, etchings and other works of art belonging to the Queen's Art Collection are housed in the Douglas Library, also the Shortt-Haydon collection of Canadian portraits and historical prints.

Pending construction of an Administration Building, university administrative offices are housed in the Douglas Library.

In addition to the main library there are departmental libraries for Chemistry, Biochemistry, Biology, Civil, Mechanical and Electrical Engineering, Mathematics, Geology and Mineralogy, Mining and Metallurgy, Medicine, and Theology.

Library hours: Monday-Friday, 8 a.m. to 10.30 p.m.; Saturday, 8 a.m. to 4 p.m.; Sunday, 2 p.m. to 5 p.m.

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### THE MUSIC ROOM

The Music Room in the Douglas Library is furnished and equipped for music study and listening. It contains a collection of phonograph records which is based on the original Carnegie gift and now numbers some three thousand records. The collection is representative in both classical and contemporary fields and gives the students an unusual opportunity for musical experience.

The equipment also includes a radio-phonograph of the highest fidelity available and a Steinway grand piano.

The room is open to the general student body every evening during the session, and is also made available for the important operatic and symphonic week-end broadcasts.

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### THE UNIVERSITY CONCERT SERIES

The University Concert Series is available to students for \$3 and \$4 for the season.

The programme for 1951-52 was as follows: : Isaac Stern, violinist; Jimmie Shields, tenor; William Kapell, pianist; St. Mary Magdelene Chorus; and the New World Orchestra conducted by Samuel Hershoren.

The series for 1952-53 includes Glenn Gould, pianist; Erna Berger, soprano; The Reginald Kell Players (clarinetist, pianist and violinist); and the Boyd Neal Orchestra.

## GENERAL INFORMATION

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### ADMISSION OF STUDENTS

The number of students admitted to the classes of the first year is limited and prospective matriculants should make formal application for admission on forms obtainable from the Secretary of the Faculty. These applications should be in the hands of the Secretary not later than August 16th. Applicants will be notified of the decision of the Committee on Admissions as soon as possible after that date. Only under special circumstances will applications be considered *after* August 16th.

Matriculation requirements must be completed before an application can be considered.

All Ontario candidates for admission must satisfy the following Matriculation requirements:

(1) Ontario Secondary School Graduation Diploma (Junior Matriculation), including English, a second language, History, Mathematics, Experimental Science, and one option.

(2) Ontario Grade XIII (Senior Matriculation).

A minimum of eight papers, including the following:

English (Literature and Composition).

Mathematics (two of Algebra, Geometry, Trigonometry).

Language—one of:

Latin (Authors and Composition).

Greek (Authors and Composition).

French (Authors and Composition).

German (Authors and Composition).

Italian (Authors and Composition).

Spanish (Authors and Composition).

Chemistry (one paper).

Physics (one paper).

A student may offer in substitution for Grade XIII first year work in the above subjects in the Faculty of Arts, provided that he holds a Secondary School Graduation Diploma. A six-year medical course must follow such registration.

The Faculty of Medicine limits first year registration. A selection from applicants for admission will be made on the basis of their qualifications.

Candidates from Provinces of Canada other than Ontario must present certificates of a standard equivalent to that required for students from the Province of Ontario.

Intending students are reminded that a University degree in Medicine does not in itself confer the right to practise the profession of medicine. In each Province of Canada and in each one of the United States the right of licensure is vested in a Licensing Body which has its special laws and requirements. In many cases a special standard of general education is insisted upon before beginning the study of medicine. In order that disappointment and loss of time may be avoided, the University requires students to register with the licensing body of their home Province or State before beginning their medical course. The College of Physicians and Surgeons of Ontario has ruled that applicants who have received their premedical or any previous medical education in foreign medical schools will be required to appear in person before the Education and Registration Committee at one of the two annual meetings of Council before an application for registration is approved.

Full information as to the requirements for registration in the various provinces may be obtained from the Registrars of the Provincial Medical Boards (see page 69).

Prospective matriculants must submit with their applications for admission the certificates on which they claim standing.

Certificates of Matriculation in any University may be accepted *pro tanto* at the discretion of the Faculty.

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## VACCINATION

Candidates for admission to all faculties must submit a certificate of successful vaccination with application.

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## MATRICULATION EXAMINATIONS

The Matriculation examinations are conducted for the Universities of Ontario by the University Matriculation Board. They are held in June of each year at the Universities and at each High School and



Collegiate Institute in Ontario and at such other centres as may be approved by the Board.

The Secretary of the University Matriculation Board, Parliament Buildings, Toronto, will furnish, on request, the official circular which contains full information concerning dates, fees, standards, curriculum, and examination centres. The University also publishes an announcement containing all particulars regarding Matriculation, which may be obtained from the Registrar of the University.

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## REGISTRATION

Students should register on the day set for such registration in the diary on page 5.

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## FRATERNITIES

By resolution of Senate no student registered with the University may form or become a member of any chapter of an externally-affiliated fraternity or sorority at or near Kingston.

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## CURRICULUM

Candidates for the degree of M.D., C.M. must complete a period of six years' study consisting of six sessions of approximately eight months each, the final session being devoted entirely to clinical work in either the Kingston hospitals or the Ottawa Civic Hospital.

Attendance on full courses of instruction is required in the following subjects of study:

1st Year:—General Biology, General Chemistry, Physics, English.

With the exception of those excused by the Medical Officer because of ill-health, all first year students are required to take two hours of gymnasium work per week during the whole of the school year.

2nd Year:—Anatomy, Organic Chemistry, Histology and Embryology, Physics, Psychology, Neuroanatomy.

3rd Year:—Anatomy, Physiology, Biochemistry, Bacteriology, Psychiatry, Statistics.

4th Year:—Pathology, Pharmacology, Surgical Anatomy, Surgery, Medicine, Preventive Medicine, Psychiatry, Radiology.

**5th Year:—Surgery, Medicine (including Therapeutics), Obstetrics and Gynecology, Pathology, Eye, Ear, Nose and Throat, Pediatrics, Psychiatry, Radiology, Parasitology, Anesthesiology, Urology, Preventive Medicine, Jurisprudence.**

**6th Year:—** The work in the sixth year is purely clinical and is carried out in the wards, out-patient departments, operating theatres and delivery rooms of the Kingston hospitals and of the Ottawa Civic Hospital under the direct supervision of the members of the clinical staffs. Each student will spend approximately sixteen weeks at each centre. The clinical work will be supplemented and correlated by daily conferences, pathological, clinical pathological, radiological, therapeutic and obstetrical. The final examinations on completion of the work of the sixth year serve both for the University degrees and for the certificate of the Medical Council of Canada.

Certificates of attendance on lectures may be accepted from incorporated medical schools in the British Dominions and others recognized by Canadian Universities and licensing bodies. Other certificates of attendance on lectures and examinations may be accepted at the discretion of the Faculty.

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## EXAMINATIONS AND GRADUATION

Students in the first three years must attend a minimum of 90 per cent., and students in other years a minimum of 80 per cent., of the lectures and laboratory exercises in the subjects for which they are registered to be admitted to the final examinations in those subjects.

The Faculty may at any time either during the term or after the close of the term, require any student to withdraw from the Faculty of Medicine whose conduct, attendance, work or progress is deemed unsatisfactory.

The examination marks are arranged in the following grades: A=80 to 100%, B=70 to 79%, C=60 to 69%, D=under 60%, failure. A student must have obtained pass standing (60%) in all the examinations of any year before proceeding to the higher year. Pass standing may be obtained at the regular spring examinations, or at the supplemental examinations.

Examination papers of candidates failing by only a few marks are reread with care and there is a little likelihood of the original mark being changed by a further rereading. Students who wish to have a paper reread by the instructor and an additional examiner must

make application within two months of the examination and pay a fee of \$10. If as a result of a rereading a mark should be raised to a pass, the fee will be refunded in full to the student.

### *Supplementals*

Permission to write supplemental examinations may be granted to any student who has failed in no more than 50% of the examinations of the first, second, or third year or in no more than three examinations of any succeeding year.

(a) Except in the case of the first year, a student who fails at the supplemental examinations will be permitted to repeat his year unless otherwise conditioned. No student will be permitted to repeat more than one year.

(b) A student of the third year who fails in more than 50% of the spring examinations, and of the fourth, fifth and sixth years who fails in more than three examinations may be permitted to repeat his year.

(c) In the case of the clinical subjects, on which both written and oral examinations are held, the student will be required to try both the written and oral supplemental in the event of failure in either.

### *Withdrawal*

(a) A student of the first or second year who fails in more than 50% of his spring examinations will be required to withdraw.

(b) A student of the third year who fails in more than 50% on the spring examinations and who has written a total of three or more supplementals in his first two years will be required to withdraw.

(c) A student who repeats his year and fails will be required to withdraw.

(d) A student who has successfully repeated a year, but fails to get his standing in any subsequent year, will be required to withdraw.

A candidate will not be admitted to an examination unless he has paid all University fees.

## EXAMINATIONS

Examinations are required at the end of every session as follows:

At the end of the first session:—  
General Biology, General Chemistry, Physics, English.

At the end of the second session:—

Anatomy, Organic Chemistry, Physics, Histology and Embryology, Psychology, Neuroanatomy.

At the end of the third session:—

Anatomy, Physiology, Biochemistry, Bacteriology, Psychiatry, Statistics.

At the end of the fourth session:—

Pathology, Pharmacology, Surgical Anatomy, Surgery, Oral in Surgery, Medicine, Physical Diagnosis, Preventive Medicine, Psychiatry, Radiology.

At the end of the fifth session:—

Surgery, Clinical Surgery, Medicine, Clinical Medicine, Obstetrics and Gynecology, Pathology, Pediatrics, Eye, Ear, Nose and Throat, Psychiatry, Radiology, Parasitology, Preventive Medicine, Urology, Jurisprudence.

At the end of the sixth session:—

Surgery, Clinical Surgery, Medicine, Clinical Medicine, Obstetrics and Gynecology, Oral in Obstetrics and Gynecology, Preventive Medicine, Oral in Preventive Medicine, Pediatrics, Eye, Ear, Nose and Throat, Radiology.

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### FEES

Sessional fee (including Registration, Tuition, Examinations, Library, and Degree fee) .....	\$365.00
Student interests (including Health Insurance, Athletics, Alma Mater Society, "Queen's Journal," Aesculapian Society, and Union) .....	43 50
Sessional Laboratory Fee .....	12 00
Special Fees, payable when incurred:	
Late Registration, first day .....	5 00
Each additional day .....	3 00
Supplemental examination in one subject .....	10 00
Each additional subject .....	2 00
Degree of Master of Science in Medicine (see page 52).	



Diploma in Medical Radiology (see page 53).

Extra Fee for Degree in Absentia .....	10 00
Pro tanto fee .....	10 00

### *Payment of Fees*

In the case of the First Year, fees may be paid in two equal instalments, in which case an additional \$5.00 will be added to the first instalment. The first instalment must be paid at the time of registration, and the balance paid on or before January 8th, 1953. No student will be admitted to classes until the above conditions have been complied with, nor will he be permitted to continue the work of the second term until the fees have been paid in full.

In the case of other years, fees may be paid according to one of the following three plans:

- (1) In full during the first week.
- (2) On payment of an additional \$5.00, in two halves, the first payment including the \$5.00 to be made during the first week, and the second by the beginning of the second term.
- (3) Those who find it impossible to comply with either of the above plans may make special arrangements direct with the Treasurer.

Cheques or bank drafts on any point where there is a branch of the Bank of Montreal will be received at par; all other cheques should have  $\frac{1}{8}$  of 1%, minimum 15c, added to cover exchange, or drawn plus exchange.

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## THE STUDENTS' MEMORIAL UNION

The first Students' Memorial Union which was built to commemorate the service of students and graduates of Queen's University in the First World War, was destroyed by fire in September 1947, immediately before the opening of the session. Temporary dining and lounging accommodation for men students was arranged in McLaughlin Hall and reconstruction on the Union was begun at once. By September 1948, the Great Hall, the coffee shop and some lounge rooms were ready for use. The completed building was opened formally in October 1949.

Every male student is a member of the Union, which is really a club, where the men of all Faculties may meet in a University building designed for that particular purpose and privilege.

There are the usual club facilities, dining room, lounge, billiard room, reading room, committee rooms and guest rooms for alumni and visitors to the University.

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### BOARD AND ROOM

During the session 1951-52 students have paid from \$10.00 to \$11.50 a week for board, and \$4.50 to \$6.00 for room, so that satisfactory board and lodging houses may be obtained at from \$14.50 to \$17.50 per week. Lists of boarding and lodging houses may be obtained from the Housing Office.

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### CO-OPERATIVE RESIDENCES

Berry House and Collins House, operated by the Science '44 Co-operative Inc., are open to men students of all faculties. Room and board for the season 1951-52 was \$10.00 per week.

Boucher House, operated by the Science '44 Co-operative Inc., is open to women students who have completed their first academic year. Room and board for the session 1951-52 was \$10.00 per week

For further information write:—

The Membership Committee,

329 Earl Street

Kingston, Ontario,

enclosing a self-addressed stamped envelope.

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### MICROSCOPES

Every student entering the Faculty of Medicine will be required to have a first-class microscope of approved design for the first laboratory period in the Biology course. Such an instrument is an essential part of the equipment of a practitioner of medicine.

Microscopes may be purchased through the Technical Supplies store at the University. These are of a type selected annually by a Committee of the Faculty of Medicine and are offered at the lowest possible rates. Only a limited number is carried in stock. Those wishing to obtain microscopes from the Technical Supplies store should arrange by mail to have one reserved.

## PHYSICAL WELFARE OF STUDENTS

### A. HEALTH INSURANCE

Queen's University administers a Health Insurance Fund by arrangement with the Alma Mater Society and the London Life Insurance Company. The fund is derived from a special fee of \$10.25 paid by each winter student and is used to provide medical and hospital care as follows:

#### I. MEDICAL CARE.

The services of the University Medical Officer are available to students without charge.

Office: Kingston General Hospital—Telephone 22821. Entrance by way of the Ambulance driveway (on Stuart Street, west of Front Entrance), turning left and up the short flight of steps.

Hours: Monday, Tuesday, Thursday, Friday -

Women: 4.15 p.m. - 4.45 p.m.

Men: 4.45 p.m. - 5.45 p.m.

Wednesday and Saturday -

Women: 12.30 p.m. - 1.00 p.m.

Men: 1.00 p.m. - 1.30 p.m.

A charge of \$2.00 is made by the Medical Officer for calls to the students' rooms.

A student may choose another physician or obtain the services of a specialist, surgeon, or consultant, but the University pays no part of the charge thus incurred, except as follows:

If, in the opinion of the Medical Officer, the services of a specialist or consultant are required, the University undertakes to contribute toward the payment of the specialist's fee, \$5.00 for any one disability, but will make no payment for dentistry, optometry, X-rays, massage, electrical therapy, and similar special treatments.

The cost of filling prescriptions is not provided by the University. The Kingston General Hospital, between the hours of 3.30 and 4.30 p.m., will fill prescriptions at cost plus 10%.

#### II. HOSPITAL CARE.

Of the student fee of \$10.25, \$8.50 is paid to the London Life Insurance Company for the following services:

A. Hospital services, including room, food, regular floor nursing service, and special services up to \$27.50 for any single illness, are

provided from the day of registration until the final examination is written, to the extent of \$5.50 per day. Any additional payment must be made by the student. Payment is limited to thirty-one days for any single illness and will not cover hospitalization of less than eighteen hours. The medical care is provided by the University through the University Medical Officer.

B. Surgical treatment, including treatment of injuries, is provided without restriction as to the time of hospitalization. The student may choose his own surgeon.

C. If special nurses over and above the regular staff are required or engaged the cost must be borne by the patient.

#### B. PHYSICAL EXAMINATIONS

All students registering for the first time at a winter session of the University are required to have a physical examination. At the beginning of the session the University Medical Officer sets up a panel of physicians and psychiatrists to make the examinations. Each student is given an appointment. Those for whom the hours named are inconvenient should arrange for other students to take their places.

#### C. X-RAY CHEST SURVEY

By a regulation of the Senate of the University the students in the first and fifth years of the Medical Faculty and the first and final years of the other faculties and schools are required to have an X-ray examination of the chest each year. An appointment is made for each student and anyone who fails to report is required to take the X-ray at some later time at his own expense.

#### D. CERTIFICATE COVERING ABSENCE FROM CLASS

A student not receiving hospital care but alleging illness as a reason for missing lectures or laboratory work must present a doctor's certificate immediately at the close of treatment in order to receive consideration. Ordinarily absences beyond a total of one-eighth of the possible attendance, whether due to illness or any other cause, will subject candidates to the penalties specified in the Calendar for deficient attendance.

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#### FACILITIES FOR ATHLETICS

Queen's University provides ample facilities for athletics. The gymnasium is one of the finest in Canada with a swimming pool of full Olympic size. In the University grounds is a large covered



skating rink with artificial ice. Adjoining the University is the football field, with the George Richardson Memorial Stadium, given by the late Dr. James Richardson, formerly Chancellor of the University, in memory of his brother, Captain George Richardson, a graduate of Queen's and a former athlete who was killed in the First Great War. There is room and equipment for all students who wish to take part in football, hockey, badminton, basketball, field hockey, tennis, track athletics, archery, swimming, diving, boxing and wrestling. Exceptionally good facilities for skiing are available at Kingston Mills, about five miles from the University proper.

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### THE ALMA MATER SOCIETY

Queen's was the first University in Canada to introduce Student Government. All students are members of the Alma Mater Society, the chief instrument of student government, and are expected to share in its duties and responsibilities.

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### ALMA MATER SOCIETY LECTURE

In 1939, as a contribution from the student body to the Centenary Endowment Fund, the Alma Mater Society gave the University its accumulated reserve of \$1,711. The income will be used to provide an annual lecture to be known as the Alma Mater Society Lecture.

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### THE AESCULAPIAN SOCIETY

The Aesculapian Society was organized by the medical students of Queen's University in 1872. All students registered in the Faculty of Medicine become active members of the Society which includes amongst its honorary members all graduates in Medicine and members of the Faculty of Medicine of Queen's University. By tradition, every medical student takes an active part in the Society which is dedicated to the promotion of the general interests of the Medical Faculty and to the control of matters affecting medical students in their relationships one to another, to other student organizations at Queen's University and elsewhere, and to the Faculty of Medicine, Senate and other governing bodies of Queen's University. Control of the Society is vested in an Executive Committee which is elected annually by closed ballot of all active members. To the Executive Committee are

responsible the Year Executives, At Home committee, Dinner Committee, Speakers Committee, Building Fund Committee, Athletic Committee, the Aesculapian Trust Fund and Aesculapian Court and other elected or appointed committees of medical students.

#### OFFICE BEARERS 1952 - 53

Honorary President:	Dr. J. M. R. Beveridge
President:	K. G. J. Appleby
Vice-President:	S. B. Bronstein
Secretary:	M. Ruth Bell
Treasurer:	D. F. Donevan
Assistant Secretary:	G. E. Steinhoff
Athletic Stick:	G. P. Cranston
Senior A.M.S. Representative:	H. C. Cameron
Junior A.M.S. Representative:	G. F. Roseborough
Senior C.A.M.S.I. Representative:	C. W. Carpenter
Junior C.A.M.S.I. Representative:	L. P. Sterns
Permanent Secretary-Treasurer:	Dr. Eldon M. Boyd

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#### UNIVERSITY NAVAL TRAINING DIVISION

The University Naval Training Division, Queen's University, was organized in March 1943, under the direction of Lieutenant S. T. Hill, Commanding Officer H.M.C.S. "Cataraqui".

University Naval Training Divisions were established in Canadian Universities during the war to provide naval training for university students before entry into active service in the Navy. From this source came many hundreds of keen young men who had an excellent war record in the service. These Divisions are being continued in the universities to provide a Naval Officers' training programme through which university students may become commissioned officers in the Royal Canadian Navy (Reserve). Opportunity is provided also in certain branches for entry into Royal Canadian Navy (Permanent Force) as commissioned officers who will follow the Navy as a career.

The programme consists of sixty hours' training during the academic year given at H.M.C.S. "Cataraqui", and a minimum of two weeks' training aboard ship during the summer.

## CANADIAN OFFICERS' TRAINING CORPS

The Queen's University contingent of the C.O.T.C., formed in 1914 by Lt.-Col. A. B. Cunningham and re-organized following the First World War by Colonel A. MacPhail, C.M.G., D.S.O., is now commanded by Lt.-Col. E. A. Walker.

The object of the C.O.T.C. training policy is to qualify selected University undergraduates for commissions on graduation in the various corps of the Active Force, Reserve Force, and Supplementary Reserve Force of the Canadian Army.

The training programme consists of short theoretical courses in Military Studies at the University and two or three summer courses of four months at the Active Force Corps Schools at officers' rates of pay.

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## RCAF RESERVE UNIVERSITY FLIGHT

The Reserve University Flight (Queen's) was organized in 1949 and is commanded by Squadron Leader J. E. Wright.

Selected undergraduates are given winter lectures on general subjects and in the summer months attend RCAF Schools at which they receive training in the technical or non-technical branch of their choice. Vacancies also exist for Flight Training under the University Air Training Plan. Cadets are paid for both winter and summer training.

Cadets are given three years' training and are appointed as Officers in the RCAF (Regular) and Reserve on completion of their course.

## HIGHER DEGREES

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A standing committee on Medical graduate studies consisting of the Principal, the Dean, the Secretary and four members of the staff of the Medical Faculty, shall consider all applications for graduate degrees in Medicine and shall report to the University Committee on Graduate Studies on the fitness of the candidate to enter a graduate course and recommend to the above Committee the prescribed programme of work.

### THE DEGREE OF MASTER OF SCIENCE IN MEDICINE

**Prerequisite:** A candidate for the degree of M.Sc. (Med.) must have taken the degree of M.D. with a minimum standing of 75% in his special subjects and an average of 70% in the last three years of his Medical course. A candidate who does not meet this requirement may be accepted only by special permission of the Medical Faculty.

**Application:** Application for admission to the M.Sc. (Med.) course must be made to the Registrar of the University in writing at least two weeks before the opening of the session. Candidates, if not graduates of Queen's University, must send official certificates giving full details of their academic training. An outline of proposed studies, based upon the requirements described below, must accompany the application.

**Curriculum:** The course consists of two parts as follows:

(1) Research and thesis, representing not less than half the session's work. Except by special permission the thesis must be submitted by May 1st for a degree in the Spring and by September 20th for a degree in the Fall.

(2) Lectures or reading, laboratory or clinical work cognate to that of the field of study. Ordinarily half of this cognate work will be done in the department in which the candidate is carrying out his research, and the other half in one or more other departments not necessarily in the Medical Faculty.

**Examinations:** The candidate will be required to take the following examinations:

(1) Two written examinations—one in each half of the cognate work referred to in part 2 under Curriculum. The candidate must obtain at least seventy-five per cent in examinations taken in the Faculty of Medicine and at least second class honours in examinations taken in the Faculties of Arts or Applied Science.

(2) An oral examination on the subject of the candidate's research.



The examination will be conducted by a board of examiners appointed by the Committee on Graduate Studies on the request of the member of staff under whose direction the student is carrying on his research. This board will include: (a) at least two members of the department concerned; (b) at least two other members of the University teaching staff, not members of the department concerned, to be selected by the department concerned.

The Chairman of the Committee on Graduate studies shall act as Chairman on the examining board or shall appoint a member of the University teaching staff, not a member of the department, to do so.

Each candidate for the Master's degree must submit three typed copies of his thesis to the Registrar not less than three weeks before the date of the Convocation at which he plans to obtain the degree. The thesis must be read and approved by the members of the examining board before the candidate is admitted to the oral examination. Two copies of the thesis shall become the property of the University, one of them to be deposited in the University library, the other to be in the care of the department concerned.

**Residence:** A candidate for the degree of M.Sc.(Med.) must do all of his work (towards this degree) in residence at the University, during at least one session.

**Fees:** Sessional fee, \$200.00; Student Interests, including membership in the Aesculapian Society, \$43.50. The candidate who does not take his degree within the year of first registration must pay a registration fee of \$10.00 per year until the date of graduation. The degree fee is \$20.00 to be paid by April 1st.

**Teaching Assistance:** Candidates for the degree of M.Sc.(Med.) may give not more than 10 hours per week during the academic year to assisting members of the Faculty in teaching or in other academic or clinical duties, providing that the time so lost is made up by work on their problem of research during the summer vacation or providing they extend their course over two academic years. A candidate in full time employment in the University or elsewhere is not normally accepted as a candidate for the M.Sc.(Med.) degree.

### DIPLOMA IN MEDICAL RADIOLOGY (D.M.R.)

The Faculty of Medicine, Queen's University, offers a graduate course leading to a Diploma in Medical Radiology.

**Candidates for the Diploma must**

- (1) be graduates of a Medical School recognized by the Senate,
- (2) have spent at least one year after graduation as an interne in a recognized hospital; and one year's residency in Medicine, Surgery or Pathology or two to five years in general practice, or the equivalent.

The curriculum leading to the Diploma extends over

- (A) one academic session at the University,
- (B) two sessions of eleven months each of service and training in a recognized Radiological Department.

Not more than three candidates will be accepted in any one academic session at the University. The selection of candidates rests with a Board appointed by the Medical Faculty.

The following courses will be provided:—

#### PART I

1. Anatomy (radiographic)
2. Pathology
3. Radio-biology
4. Radio-physics
5. Radiographic Technique.

These subjects will be given during the academic session.

#### PART II

6. Diagnostic Radiology
7. Radio-therapy
8. General Medicine and Surgery.

Study of these subjects is spread over the three sessions.

#### Examinations:

PART I. An examination will be held at the end of the academic session.

PART II. After passing the examination in Part I and having fulfilled the conditions of curriculum laid down in (B) above, a final examination is held.

Candidates who have passed the examinations will be granted the Diploma in Medical Radiology (D.M.R.).

Fees. The fee for the Diploma is \$250.00.

Further information as to details of the courses may be obtained on application to the Secretary of the Faculty.

## SCHOLARSHIPS AND HONOURS

Limitation of Awards: (1) Scholarships, except those awarded in the final year, are tenable only by students in residence in the session following the award. (2) Students may not hold scholarships unless they have successfully completed the work of the year in which they are enrolled. (3) No student may receive more than \$300 or 50% of the available prize money, whichever is the greater, in one year. (4) Essay and other awards not based upon results of regular term examinations are exempted from the above conditions. (5) The honour of the award is given in case the winner becomes ineligible as above. It is understood that these regulations should be used as a guiding principle in the awarding of prizes, and applied with some elasticity, as a rigid interpretation will not always be practicable. In the case of essay prizes, these will be awarded only for essays of conspicuous merit.

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The following scholarships and honours are available for award to students in the Faculty of Medicine:

For students in all Faculties of the University:

Social Engineering Prize

Khaki University and Y.M.C.A. Memorial Fund

The O. M. Montgomery Memorial Fund

Andrina McCulloch Scholarships in Public Speaking

C.O.T.C. Scholarships — The Hayunga Scholarship

B'nai B'rith Kingston, Bursary

Pipe Band Scholarship.

The Lilian Coleman Taylor Prize

George Taylor and Lilian Coleman Taylor Bursary

For Students in several Medical years:

Reuben Wells Leonard Special Scholarships

The Victor Lyall Goodwill Memorial Prize

The Atkinson Foundation Bursary in Medicine

The W. W. Near and Susan Near Scholarships and Bursaries.

- For Students in First Year Medicine:  
The Robert Bruce Scholarship  
Robert McCulloch Scholarship in English.
- For Students in Second Year Medicine:  
The Helen E. Dwyer Memorial Scholarship  
The N. F. Dupuis Scholarship.
- For Students in Third Year Medicine:  
The Boak Prize  
Toronto Branch of the General Alumni Scholarship  
Melvin Prize in Physiology.
- For Students in Fourth Year Medicine:  
George and Mary Louise Patton Scholarship  
Sylvanus Joy Scholarship  
The D. T. Smith Prize in Pharmacology  
Canadian National Committee for Mental Hygiene Prize  
The Isobel McConville Scholarships.
- For Students in Fifth Year Medicine:  
The Bernard Thomas McGhie Memorial Scholarship  
Reuben Wells Leonard Penultimate Year Scholarships  
The Victor Lyall Goodwill Memorial Scholarship in Internal  
Medicine  
Sir John C. Schultz Memorial Scholarship  
The Isobel McConville Scholarship  
The W. W. Near and Susan Near Scholarship  
The Sandoz Pharmaceutical, Limited, Prize.
- For Students in Sixth Year Medicine  
The University Medal in Medicine  
The University Medal in Surgery  
The Mylks Medal in Obstetrics and Gynecology  
Professor's Prize in Surgery  
Professor's Prize in Obstetrics and Gynecology  
Professor's Prize in Preventive Medicine  
Professor's Prizes in Radiology  
The David Edward Mundell Prize  
The Hannah Washburn Polson Prize  
The Edgar Forrester Scholarship  
The Neil Currie Polson Memorial Prize  
The Dean Fowler Scholarship  
The W. W. Near and Susan Near Scholarship  
Ontario Medical Association Prize in Preventive Medicine  
The John Franklin Kidd Prize



The following awards are available for post-graduate study and research:

The George Christian Hoffman Fellowships  
Exhibition of 1851—Science Research Scholarship  
Martha Turnbull Scholarship  
Richardson Fellow in Pathology—General Hospital  
Reuben Wells Leonard Fellowships  
William Spankie Memorial Medical Research Endowment Fund.

For Students in all Faculties of the University:

#### SOCIAL ENGINEERING PRIZE

Value \$50. Founded by A. E. MacRae of Ottawa. Awarded annually under the following conditions as stated by the donor.

"The object of this prize is to promote on the part of the individual the practice of factually appraising his every act from the point of view of others concerned so that he may make it easiest for them to co-operate in achieving a desired objective. It is based on the idea that maximum social progress primarily demands of education the production in individuals of capacity to lead others in the doing of things which, in the long view, are for the continuing good of all. A keen sense of responsibility for the common good, as opposed to the mere temporary benefit of a particular agency, is essential in efficient social leadership.

"It is to be presented annually to the student in attendance at Queen's University who, prior to the beginning of his or her graduating year, has developed and exhibited greatest capacity in leading the student body, or any portion of it, in accomplishing purposes which are considered good by the majority of the student body.

"The recipient shall be selected by a committee consisting of the presidents of the faculty societies and the Levana Society and the Principal of the University or his nominee."

#### Khaki University and Y.M.C.A. Memorial Fund

This fund is part of a sum, left from the Khaki University after the war of 1914-18, which was divided among the Canadian Universities.

The interest, amounting to \$240, will be used to award one or more scholarships open to undergraduate students in any Faculty. In awarding these scholarships the need as well as the standing of applicants will be considered and preference will be given to sons or daughters of soldiers of the Great War. Applications will be received by the Registrar up to April 1 of each year.

## THE O. M. MONTGOMERY MEMORIAL FUND

Established by the Aluminum Company of Canada in memory of Mr. O. M. Montgomery, who graduated from Queen's University in Electrical Engineering in 1905. This Fund will be used to provide bursaries for worthy students in need of financial help. It will be administered by a Committee consisting of the Principal, the Vice-Principal, the Registrar, and a representative of the Aluminum Company. Awards may be made in any Faculty, and may only be regarded as gifts at the discretion of the Committee when made to sons or daughters of employees of the Aluminum Company. Otherwise repayment is expected in one or both of the following ways:

- (1) By service to the University if the beneficiary has time and is qualified for the work available. Such service shall be assistance in a department, or office, or library, or laboratory, or some other comparable employment.
- (2) By return in cash of the sum granted, or of the part not worked out. In such case the award is regarded as a loan without interest, payable at some convenient time to be agreed upon.

## ANDRINA McCULLOCH SCHOLARSHIPS IN PUBLIC SPEAKING

These scholarships are awarded annually for the promotion and encouragement of public speaking in the University. They are awarded in the following subjects:

### *Drama*

Two scholarships are awarded as a result of an audience poll at the two main productions of the Queen's drama Guild.

### *Presentation of Thesis Material*

All graduate students are invited to deliver a ten-minute talk on their thesis subject to a panel of judges drawn from the Board of Graduate Studies. Awards are made to the two most lucid speakers.

## C.O.T.C. Scholarships—THE HAYUNGA SCHOLARSHIP

The Queen's University Contingent of the Canadian Officers' Training Corps awards a scholarship of \$150 to an officer cadet in each of the faculties of Arts, Medicine, and Applied Science after he has completed his first summer camp. The medical officer cadet receives the Hayunga Scholarship of \$100 and a C.O.T.C. supplement of \$50. The Contingent also awards a scholarship of \$150, and another of

\$100 to the best cadet and the runner-up among those who have completed their second summer camp. Awards are made on soldierly and academic qualifications. Serving soldiers of the Canadian Army (AF) are not eligible.

#### B'NAI B'RITH KINGSTON, BURSARY

Value \$50. Founded by the B'nai B'rith Lodge of Kingston. This Bursary will be awarded annually to a student of promising ability but straitened circumstances. The award will be made on the basis of the final examinations. Applications will be received by the Registrar up to April 1 of each year.

#### PIPE BAND SCHOLARSHIP

Value \$25. Maintained by the Queen's University Pipe Band. Awarded annually to the best piper among first year students in all faculties on the basis of a piping contest.

#### Lilian Coleman Taylor Prize

Value \$60. Awarded annually to the most outstanding woman student from Leeds County registered in any faculty of Queen's University.

#### George Taylor and Lilian Coleman Taylor Bursary

A limited amount of money from the George Taylor and Lilian Coleman Taylor Fund is available annually for competent but needy students from Leeds County registered in any Faculty of the University. Applications for grants from this fund should be made through the Registrar.

For students in several Medical Years:

#### REUBEN WELLS LEONARD SPECIAL SCHOLARSHIPS

Special Reuben Wells Leonard Scholarships for merit and need will be awarded in varying amounts to students of promising ability but straitened circumstances. The awards will be made on a loan or service basis.

#### THE VICTOR LYALL GOODWILL MEMORIAL PRIZE

Value \$100. This prize was founded in 1936 by Mrs. Florence M. Goodwill of Charlottetown, Prince Edward Island, in memory of her late husband, Dr. Victor Lyall Goodwill. The award is made annually to the student who submits the best essay dealing with some aspect of Mental Health or Disease.

Essays submitted for this prize should be handed in not later than March 15th.

## The Atkinson Foundation Bursary in Medicine

A bursary of three hundred and fifty dollars will be available to a student in the fourth, fifth, or sixth year during the second term. The award will be made on the basis of scholarship and need, on recommendation of a committee of the Faculty after consultation with a representative of the Aesculapian Society. Applications will be considered on the fifteenth of January.

The Atkinson Foundation Bursary has been awarded as follows:  
1952, William Hamilton Flewelling and John Orval Parker.

## THE W. W. NEAR AND SUSAN NEAR SCHOLARSHIPS AND BURSARIES

Under the wills of the late W. W. Near and his widow, the late Susan Near, provision was made for the following scholarships and bursaries.

1. An annual scholarship of the value of \$80 will be awarded to the student with the highest standing in each of the first, second, third and fourth years.

2. An annual scholarship of the value of \$40 will be awarded to the student taking second place in each of the first, second, third and fourth years.

3. Three bursaries of the value of \$100 each will be awarded annually to students who in any year have shown an interest in and aptitude for practical work in a laboratory, and will undertake to carry out work of a research nature in the laboratory during the year following the award.

Applications for these bursaries must be made to the Secretary of the Medical Faculty not later than April 1st of each year.

For Students in First Year Medicine:

### THE ROBERT BRUCE SCHOLARSHIP

The Robert Bruce Scholarship of about \$50 is awarded at the end of the first year to the student making the highest number of marks in the examinations of that year. One-third of the value of the Scholarship will be paid to the winner in each of the second, third, and fourth years of his course, provided he is in attendance in the Faculty in which the award was made.

This Scholarship has been established under provisions in the will of the late Robert Bruce of Quebec, and similar scholarships are awarded in the Faculties of Arts and Science.



### ROBERTA McCULLOCH SCHOLARSHIP IN ENGLISH

Founded by the late Andrew McCulloch, M.A., of Thorold.

Value \$40. Awarded annually to the student standing first in Medical English.

For Students in Second Year Medicine:

### THE HELEN E. DWYER MEMORIAL SCHOLARSHIP

A scholarship of \$80 presented by Dr. James G. Dwyer of New York, awarded to the student making the highest number of marks in the courses in Embryology and Histology of the second year.

### THE N. F. DUPUIS SCHOLARSHIP

The N. F. Dupuis Scholarship of \$50 awarded to the student making the highest number of marks in the examinations in Chemistry of the second year. The Scholarship was founded by the graduates as a mark of their appreciation of the long and effective services of the late Dr. N. F. Dupuis, Professor of Mathematics.

For Students in Third Year Medicine:

### THE BOAK PRIZE

The Boak Prize in Anatomy, value \$25, donated by Dr. Eric W. Boak, of Victoria, B.C., awarded to the student making the highest number of marks in the written and oral examinations in Anatomy of the third year.

### TORONTO BRANCH OF THE GENERAL ALUMNI SCHOLARSHIP

Value \$100. Given by the Toronto Branch of the General Alumni Association. Awarded to the student of the third year with the highest standing in Physiology and Bacteriology.

### MABEL TRUAX HAMM SCHOLARSHIP IN BIOCHEMISTRY

Value \$30. Given by Thomas T. Bower, M.B.E. of Winnipeg, Manitoba, in memory of his wife Mabel Truax Hamm (1866 - 1949). Awarded annually to the student making the highest mark in Biochemistry in the examination of the third year.

### MELVIN PRIZE IN PHYSIOLOGY

Value \$50. Established by Dr. Ladislav Antonik of Hearst, Ontario, in memory of Dr. G. Spencer Melvin, former Professor of Physiology. This prize is to be awarded to the student judged by the Professor to be the most proficient in Physiology, not necessarily the one with the highest examination standing.

For Students in Fourth Year Medicine:

#### GEORGE AND MARY LOUISE PATTON SCHOLARSHIP

Value \$80. Awarded annually to the student in the fourth year who in the opinion of the professors concerned shows the greatest aptitude in the clinical work of the year.

#### SYLVANUS JOY SCHOLARSHIP

A Scholarship of \$40 awarded to the student making the highest number of marks in Pharmacology.

#### THE D. T. SMITH PRIZE IN PHARMACOLOGY

A prize, value \$20, awarded to the student making the second highest number of marks in Pharmacology.

#### CANADIAN NATIONAL COMMITTEE FOR MENTAL HYGIENE PRIZE

A prize of \$50 awarded by the Canadian National Committee for Mental Hygiene to the student making the highest marks in Psychiatry.

#### THE ISOBEL McCONVILLE SCHOLARSHIPS

Two scholarships — one of \$50, the other of \$25 — available to students of the fourth year for the best and second best essays on any approved surgical subject.

Essays submitted for these scholarships should be handed in not later than April 15.

For Students in Fifth Year Medicine:

#### THE BERNARD THOMAS MCGHIE MEMORIAL SCHOLARSHIP

The Bernard Thomas McGhie Memorial Scholarship of \$100 awarded to a student in the fifth year on the basis of his academic

standing, interest and aptitude in the study of **Psychiatry and Psychosomatic Medicine**. This Scholarship was established by the Government of Ontario in memory of Dr. B. T. McGhie, Deputy Minister of Health and Hospitals, who during his lifetime made such an outstanding contribution in the fields of Psychiatry, Public Health and Hospital Administration.

#### REUBEN WELLS LEONARD PENULTIMATE YEAR SCHOLARSHIPS

Under the will of the late Reuben Wells Leonard provision was made for one Scholarship of the value of \$300 and one of the value of \$200, to be awarded to the students obtaining highest and second highest standing respectively at the end of the penultimate year. The student must be in attendance in his final year.

#### THE VICTOR LYALL GOODWILL MEMORIAL SCHOLARSHIP IN INTERNAL MEDICINE

Value \$100. This Scholarship was founded in 1937 by Mrs. Florence M. Goodwill of Charlottetown, Prince Edward Island, in memory of her late husband, Dr. Victor Lyall Goodwill. It will be awarded annually to a student at the end of his Fifth year in consideration of (1) his standing in written and clinical oral examinations of the session, (2) his capacity to examine patients as brought out by the written clinical histories of cases assigned to him during the session.

#### SIR JOHN C. SCHULTZ MEMORIAL SCHOLARSHIP

Value \$80. Founded by his widow in memory of the late Sir John C. Schultz, K.C.M.G., M.D., LL.D., F.R.S., a leader of the loyal settlers against Riel in the Rebellion of 1869-70, and later a Lieutenant Governor of Manitoba. The Scholarship is based on the combined results of the sessional examinations of the fourth and fifth years, and is awarded when the student is in actual attendance in his final year. It is open only to male students of British descent, and the holder must be of good Christian character, a total abstainer, and of satisfactory scholastic attainments. Preference will be given to non-smokers and to students who are planning to become medical missionaries. Applications will be received by the Secretary up to November 30 of each year.

#### THE ISOBEL McCONVILLE SCHOLARSHIP

Under the will of the late Dr. Isobel McConville provision was made for the following scholarship.

Value \$100. Awarded annually to the student in the fifth year making the highest number of marks in Gynecology.

### THE W. W. NEAR AND SUSAN NEAR SCHOLARSHIP

An annual scholarship of the value of \$50 will be awarded to the student taking second place in the fifth year.

### SANDOZ PHARMACEUTICAL, LIMITED, PRIZE

This prize, consisting of one sphygmomanometer, will be awarded annually to the student obtaining the best marks in the oral examination in Clinical Medicine in the fifth year.

### For Students in Sixth Year Medicine:

#### UNIVERSITY MEDALS

A University Medal awarded to the student making the highest number of marks in the examination of the sixth year in Medicine, Clinical Medicine, Pathology, Preventive Medicine and Pediatrics.

A University Medal awarded to the student making the highest number of marks in the examinations of the sixth year in Clinical Surgery, Surgery, Eye, Ear, Nose and Throat and Radiology.

### THE MYLKS MEDAL IN OBSTETRICS AND GYNECOLOGY

Awarded to the student in final year Medicine who has had the best record in Obstetrics and Gynecology during his course.

### PROFESSOR'S PRIZE IN SURGERY

A prize awarded to the student in the final year making the highest standing in Surgical Subjects.

### PROFESSOR'S PRIZE IN OBSTETRICS AND GYNECOLOGY

A prize awarded to the student in the final year making the highest standing in these subjects.

### PROFESSOR'S PRIZE IN PREVENTIVE MEDICINE

A prize awarded to the student who is *proxime accessit* in the class.

### PROFESSOR'S PRIZES IN RADIOLOGY

Two prizes of equal value (\$25.00) are awarded in Radiology in the sixth year; one prize for work during the first term at Kingston, and one prize for work during the second term at Kingston. Each prize is for the best presentation of a case at the weekly clinical-



radiological conference. The awards will be judged upon the basis of diction, demeanour, manner and conciseness of presentation and the interest aroused.

#### THE DAVID EDWARD MUNDELL PRIZE

The David Edward Mundell Prize of \$40, awarded to the student making the highest aggregate marks in the Surgical Applied Anatomy final examinations of the fourth and sixth years.

#### THE EDGAR FORRESTER SCHOLARSHIP

Founded under the will of the late Edgar Forrester, B.A., M.D.

Value \$40. Awarded to the student making the highest number of marks in final year Medicine and Clinical Medicine.

#### THE HANNAH WASHBURN POLSON PRIZE

A prize of \$50, founded by Dr. James A. Polson of New York, for proficiency in Clinical Diagnosis in Medicine, Surgery and Obstetrics.

#### THE NEIL CURRIE POLSON MEMORIAL PRIZE

The Neil Currie Polson Memorial Prize of \$50, awarded to the student in final year Medicine judged by his teachers to be the best adapted to apply his training in practice.

#### THE DEAN FOWLER SCHOLARSHIP

The Dean Fowler Scholarship of \$40 awarded to the student making the highest number of marks in the examinations of the sixth year.

#### THE W. W. NEAR AND SUSAN NEAR SCHOLARSHIPS

1. An annual scholarship of the value of \$100 will be awarded to the sixth year student with the highest standing throughout his course.

2. An annual scholarship of the value of \$70 will be awarded to the sixth year student with the second highest standing throughout his course.

#### ONTARIO MEDICAL ASSOCIATION PRIZE IN PREVENTIVE MEDICINE

An annual prize of twenty-five dollars has been instituted in the class of Preventive Medicine by the Ontario Medical Association.

The first award of the prize was made at the close of session 1931-32 to the student who gained the highest marks in the class examinations.

### The John Franklin Kidd Prize

An annual prize of three hundred dollars will be awarded to the student in the final year found by the Dean of the Faculty of Medicine to be the most deserving, and such prize shall be for the purpose of assisting such student in research work in surgery at Queen's University.

For Post-graduate Study and Research:

### THE GEORGE CHRISTIAN HOFFMAN FELLOWSHIPS

The Alpha Fellowship for Pathological Research of \$1600 and the Beta Fellowship for extended studies in Surgery of \$1200 awarded biennially to recent graduates nominated by the Faculty and approved by the Senate of the University. The awards will be determined by the undergraduate record of the candidates and upon evidence of capacity for original research. Applications for these Fellowships should be made to the Secretary of the Faculty not later than the first of March in each year.

The applicant must give detailed information regarding his experience since graduation and indicate definitely the work which he plans to do while holding the Fellowship and the institutions in which this work will be carried out.

The holders of the Fellowships shall proceed to some Institution or University in Europe or the United States of America, approved by the Senate of the University, where post-graduate study and research may most advantageously be pursued. The Fellowships may be tenable for a second or even a third year, upon the recommendation of the Faculty.

The first instalment is paid at the time of departure to undertake the special work and the second instalment is paid approximately six months later on receipt of a report of progress.

The George Christian Hoffman Fellowships have been awarded as follows:

- In Pathology:—1937, John Clinton White, M.D.,C.M. (1930).  
1938, Leslie Sparling Jolliffe, M.D.,C.M. (1936).  
1939, Edward Douglas Rooke, M.D.,C.M. (1937).  
1940, James Stuart Young, B.A., M.D.,C.M. (1938).  
1950, Sarah Margaret Elliott, M.D.,C.M. (1947).

In Surgery: — 1937, Robert Randolph Mutrie, M.D.,C.M. (1934).  
 1938, Edwin Perry White, M.D.,C.M. (1934).  
 1939, Thomas Neil Tweddell, M.D.,C.M. (1936).  
 1940, Osler Briggs Dickinson, M.D.,C.M. (1935).  
 1947, William James Spencer Melvin, B.A.,  
 M.D.,C.M. (1943).  
 1948, Clayton L. Nelson Robinson, M.D.,C.M.  
 (1943).  
 1949, Howard Douglas Steele, M.D.,C.M. (1944).  
 1950, Donald MacLennan Scott, M.D.,C.M.  
 (1945).  
 1951, A. B. Brown, M.D.,C.M. (1943)

The list of awards in earlier years will be found in the 1941-42 Calendar.

#### EXHIBITION OF 1851—SCIENCE RESEARCH SCHOLARSHIP

This scholarship of the annual value of £350 stg., is awarded by Her Majesty's Commissioners for the Exhibition of 1851 to students who have given evidence of capacity for original research, and are under 26 years of age. A given number of scholarships are awarded annually to students in Canada, recommended by the universities approved by the Commissioners.

The nominee must be a British subject, must have been a *bona fide* student of science for three years, must have been a student of the University for a full year immediately before his nomination, must be a student of the University at the time of his nomination, and must pledge himself not to hold any position of emolument whilst holding the scholarship without special permission from the Commissioners. He is recommended to the Commissioners by the Senate of the University. The scholarship will be tenable ordinarily for two years, and in cases of exceptional merit, for three years. The scholar will in the absence of special circumstances be required to proceed to a country other than that in which he received his scientific training and there pursue some investigation likely to promote technical industries or scientific culture. The particular investigation the student proposes to pursue must be stated before a scholarship can be awarded.

#### MARTHA TURNBULL SCHOLARSHIP

This scholarship of the annual value of about \$270 under the Will of Miss Martha Turnbull of Ottawa will be available for travel and

study to those in the following categories who are engaged in cancer research:

- (a) Members of the Staff of Queen's University
- (b) Graduate students registered in a post-graduate course in Queen's University.

#### RICHARDSON FELLOW IN PATHOLOGY—GENERAL HOSPITAL

On the foundation of this Fellowship in 1927, Alice F. Richardson undertook to maintain the annual salary of a clinical Pathologist to the Hospital for a period of five years. Mrs. Richardson died in 1931, but has made provision for the maintenance of the Fellowship. Appointment is open to graduates, preference being given to those who have previously served as Internes or taken special training in Pathology.

Salary, \$50 per month, with rooms and board in Hospital. Appointments may be held for one or more years at the discretion of the Committee. The appointee will have the status of a senior interne in Hospital, and outlining of duties will be under the control of a Committee consisting of the Professors of Medicine, Surgery and Pathology.

#### REUBEN WELLS LEONARD FELLOWSHIPS

Fellowships of varying amounts will be available during the session 1952-53 for Queen's graduates continuing their work at Queen's University. Application for these Fellowships will be received by the Registrar up to April 1st.

#### WILLIAM SPANKIE MEMORIAL MEDICAL RESEARCH ENDOWMENT FUND

The late Dr. William Spankie provided in his Will for a fund "to promote Medical Research at Queen's University under rules and regulations to be determined by the Board of Trustees and approved by the Executors and Trustees of the Estate."

The present income is \$400 a year.

The research must be carried on at Queen's University or in one of the City Hospitals associated with it.

Reports upon research problems assisted by the fund must be submitted to the Committee of Administration.

All applications for grants should be addressed to the Principal.



## REQUIREMENTS FOR LICENCE

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Kingston is a centre for the Examinations of the Medical Council of Canada. The written examinations are held in one of the University buildings, and the clinical examinations in the General Hospital.

### CANADA

A University Degree does not give the right to practise the profession of Medicine. It is also necessary to conform with the laws pertaining to the practice of Medicine in the province, state or country in which it is proposed to begin practice. The Medical Council of Canada issues a diploma which is accepted for registration in any province.

In order to qualify for the examination of the Medical Council of Canada, the candidate must hold the licence of a Provincial Board, or present a certificate from the Registrar of a Provincial Medical Council that he holds a medical degree from an approved Medical College. The announcement of the Medical Council of Canada may be obtained from Dr. J. Fenton Argue, Registrar, 180 Metcalfe Street, Ottawa.

Each province in Canada has a special standard of medical education and special requirements for licence. Detailed information as to qualifications for the practice of Medicine in the various provinces may be obtained from the Provincial Registrars, as follows:

*Alberta:* DR. W. BRAMLEY-MOORE, 207 Alexandra Block, Edmonton.

*British Columbia:* DR. MURRAY BLAIR, 1807 West 10th. Avenue, Vancouver.

*Manitoba:* DR. M. T. MACFARLAND, 604 Medical Arts Building, Winnipeg.

*New Brunswick:* DR. JOHN M. BARRY, 182 Princess Street, Saint John.

*Newfoundland:* DR. C. MACPHERSON, P.O. Box E 5121, St. John's.

*Nova Scotia:* DR. H. L. SCAMMELL, Provincial Medical Board of Nova Scotia, 196 Atlantic Street, Halifax.

*Ontario:* DR. ROBERT T. NOBLE, 174 St. George Street, Toronto.

*Prince Edward Island:* DR. J. P. Lantz, The Polyclinic, Charlottetown.

*Saskatchewan:* DR. G. GORDON FERGUSON, 415 Birks Building, Saskatoon.

*Quebec:* DR. JEAN PAQUIN, Le Collège des Médecins et Chirurgiens de la Province de Québec, 1896 Dorchester Street, Montreal.

#### GREAT BRITAIN AND IRELAND

The General Council of Medical Education and Registration has general supervision over the various licensing and examining Boards and keeps the Medical Register. The main licensing and examining bodies recognized in Great Britain apart from the universities are as follows:

In England:—The Conjoint Board of the Royal College of Surgeons of England and Royal College of Physicians of London, and the Society of Apothecaries, London. Information can be obtained from the Secretary of the English Conjoint Board, 8-11, Queen Square, Bloomsbury, London, W.C. 1, and the clerk of the Society of Apothecaries, Water Lane, Blackfriars, E.C. 4.

In Ireland:—The Conjoint Board of the Royal Colleges of Physicians and Surgeons of Ireland, and the Apothecaries' Hall of Ireland. Information can be obtained from the Secretary of the Irish Conjoint Board, Royal College of Surgeons, Dublin, and the Registrar, Apothecaries' Hall of Ireland, 93, Merrion Square, Dublin.

In Scotland:—The Conjoint Board of the Royal Faculty of Physicians and Surgeons of Edinburgh and the Royal Faculty of Physicians and Surgeons of Glasgow. Information can be obtained from the Secretary of the Scottish Conjoint Board, 49, Lauriston Place, Edinburgh.

Certificates of Queen's University Medical Faculty are accepted by these Boards for admission to their examinations, so that those possessing the degree of M.D. from Queen's University are entitled to all the privileges in Great Britain that are accorded to students and graduates of other Colleges and Universities within the Empire.

#### UNITED STATES

The Medical School is listed as approved by the Council on Medical Education and Hospitals of the American Medical Association.

# COURSES OF INSTRUCTION

## ANATOMY

PROFESSOR—D. C. Matheson, M.B.

ASSISTANT PROFESSOR—Joseph Tomasch M.D.

FELLOW — O. A. Weir, B.A., M.D., C.M.

DEMONSTRATORS — K. S. Clarke, M.D., C.M., F.R.C.S. (Edin.)  
C. W. Gillen, M.D., F.C.C.P.

### A

#### DESCRIPTIVE AND PRACTICAL ANATOMY

##### SECOND YEAR

(a) The gross anatomy of the Second Year includes the dissection of the upper extremity, the head and neck and the thorax. The bones of each region are studied in connection with each part dissected. Lectures and demonstrations are co-ordinated with the work in the dissecting room.

(b) Neuro-anatomy:—A lecture and laboratory course on the anatomy of the nervous system, designed to meet the needs of the undergraduate student. The chief nuclei and tracts with their more important connections are considered, with special emphasis on their functional and clinical importance.

##### THIRD YEAR

(a) The remainder of the body is dissected, including the lower extremity, the abdomen and the pelvis: skeletal structures are studied in connection with the soft parts.

(b) A review of the regions dissected during the Second Year is required and some questions on the final examinations will be asked on this part of the work.

Students dissect the whole of the human body during the course. Preliminary and final oral or practical examinations are required from each student on each part dissected. Students must complete the dissection and pass the oral tests on each part before becoming eligible to proceed with the final examinations.

Bones of the head, trunk and upper extremity are loaned to second year students and bones of the lower extremity to third year students.

With the co-operation of the Dept. of Radiology, students are made familiar with the appearance of normal radiographs of the various parts of the body.

Encouragement is given to students of the 4th, 5th and 6th years who wish to do review work in the dissecting room.

#### APPROVED TEXT-BOOKS AND BOOKS OF REFERENCE

Cunningham, Gray, Morris, *Buchanan's Manual of Anatomy*. Frazer and Robbins: *Manual of Practical Anatomy*. Cunningham: *Manual of Practical Anatomy*. Le Gros Clark: *Practical Anatomy*. Jamieson: *Companion to Anatomy*. Johnson: *Synopsis of Regional Anatomy*. Grant: *A Method of Anatomy*. Mainland: *Anatomy as a basis for medical and dental practice*. Sobotta-McMurrich: *Atlas of Human Anatomy*. Spalholz: *Hand Atlas of Human Anatomy*. Toldt: *An Atlas of Human Anatomy*. Jamieson: *Illustrations of Regional Anatomy*. Grant: *An Atlas of Anatomy*. Friedman: *Visual Anatomy*. Anson: *Atlas of Human Anatomy*. Callander: *Surgical Anatomy*. Ranson: *Anatomy of the Nervous System*. Barr: *The Neural basis of Human Behaviour*. Strong & Elwyn: *Human Neuroanatomy*. Elliott: *Text-book of the Nervous System*. Livingston: *The Clinical Aspects of Visceral Neurology*. Kuntz: *Neuro-Anatomy*. Buchanan: *Functional Neuroanatomy*. Larsell: *Anatomy of the Nervous System*. Mettler: *Neuroanatomy*.

#### B

#### HISTOLOGY AND EMBRYOLOGY

ASSOCIATE PROFESSOR — B. N. Kropf, A.M., Ph.D.

INSTRUCTOR — W. D. Hay, M.A., M.L.C.M.

#### SECOND YEAR

The work in histology and embryology is given as a combined course. Studies of fertilization, cleavage and the development of form, are followed by detailed studies of the tissues and organs of the body. Fresh preparations are used whenever possible. Emphasis is given to normal functional changes in cells, and their histology is correlated with their activities in the normal living state. Studies of development and differentiation of tissues and organs are integrated with histological studies of the adult form. Anomalies of development are considered. Source articles in journals and monographs are used for collateral reading.



A collection of mounted slides and a serially sectioned 10 mm pig embryo are provided.

Text-books: Ham: *Histology*. Maximow and Bloom: *Text-book of Histology*. Cowdry: *Text-book of Histology*. Patten: *Human Embryology*.

Books of Reference: Cowdry: *Special Cytology*. McClung: *Microscopical Technique*. Keibel and Mall: *Embryology*. Patten: *Embryology of the Chick*. Patten: *Embryology of the Pig*. Carnegie Institution of Washington: *Contributions to Embryology*. Sir Arthur Keith: *Human Embryology and Morphology*. Le Gros Clark: *The Tissues of the Body*.

## C

### MEDICAL AND SURGICAL ANATOMY

ASSOCIATE PROFESSOR—S. W. Houston, M.D., C.M., F.R.C.S.  
(Edin.), F.R.C.S.(C).

The students are taught to make practical use of the facts of anatomy, and the application of these to medical and surgical practice is shown. Attention is directed to the manner in which the anatomy affects the course and progress of disease, and to the alteration in the anatomical relations in disease. Special attention is given to displacements in fractures and dislocations, topographical anatomy, and ligation of arteries.

### APPROVED TEXT-BOOKS

*Manual of Surgical Anatomy*: Beesley & Johnston, revised by Bruce Walmsley.

*Fractures*: Magnusson-Watson Jones. *Manual of Surgical Anatomy*: Jones & Shepard. *Atlas of Surgical Approaches*: Nicola. *Extensive Approaches*: Henry. *The Hand*: Bunnell.

## BACTERIOLOGY

PROFESSOR—G. B. Reed, O.B.E., M.A., B.Sc., Ph.D., F.R.S.C.

PROFESSOR—John H. Orr, M.D., C.M., F.R.C.P.(C).

### THIRD YEAR

*General and Pathogenic Bacteriology*. This course covers the general principles of bacteriology. The lectures deal with the

structure and physiology of bacteria, the theories of infection and immunity and a systematic study of the pathogenic bacteria and viruses. Laboratory practice includes the preparation of culture media and the biochemical, cultural and microscopic study of bacteria. The principal pathogenic bacteria are isolated from hospital material. Infection and immunity are studied experimentally in animals and serological reactions carried out on human material. This will be supplemented by a detailed bacteriological study of selected cases, with laboratory work, prescribed reading and reports.

Text-books: Jordan and Burrows. Smith and Martin, *Zinsser's Text-Book of Bacteriology*. *Bacterial and Mycotic Infections of Man*. Topley and Wilson: *Principles of Bacteriology*.

### ELECTIVE COURSES

1. *Immunology and Physiology of the Bacteria*. Lectures, reading and laboratory practice.

2. *Research*. Properly qualified students who wish to make a special study of Bacteriology are admitted to the laboratory to undertake special problems. This work may be carried out during the session or in the summer, or both.

3. Studies leading to the degrees M.Sc.(Med.) and Ph.D. The department offers facilities and supervision for graduates who desire to take one of these degrees in Bacteriology.

### BIOCHEMISTRY

PROFESSOR—J. M. R. Beveridge, B.Sc., Ph.D., M.D.

ASSISTANT PROFESSOR — R. O. Hurst, B.A., Ph.D.

### THIRD YEAR

This course involves a study of the chemical properties of the components of the diet - proteins, fats, carbohydrates, vitamins and minerals. The role of each of these components in nutrition is considered together with the processes of digestion, absorption, intermediary metabolism and excretion. The general chemical principles underlying such processes as respiration and acid-base balance are emphasized. Particular attention is paid to the biochemistry of the human organism and, whenever possible, the relationship of biochemistry to clinical medicine is brought out by a discussion of the biochemical basis of certain diseases. Biochemical tests used as aids in clinical diagnosis are also studied.

**Text-books:** *Medical Biochemistry* by Everett. *Human Biochemistry* by Kleiner. *Practical Physiological Chemistry* by Hawk, Oser and Summerson.

**Reference Books:** *Biochemistry of Disease* by Bodansky and Bodansky. *The Biochemistry of Medicine* by Cameron and Gilmour. *The Physiological Basis of Medical Practice* by Best and Taylor.

**Post-Graduate Research:** Facilities are available for a limited number of graduates wishing to do work on a biochemical problem in medical research. Candidates may register for the M.Sc. (Med.) and should consult the head of the department concerning this possibility.

## BIOLOGY

ASSISTANT PROFESSOR—H. M. Good, B.A., Ph.D.

DEMONSTRATORS—Appointed Sessionally.

### FIRST YEAR

**General Biology.** A course of three lectures and six hours of laboratory work per week throughout the session -- botany in the first term and zoology in the second.

**First term;** Form and function in higher plants with a review of the principal groups of the plant kingdom. Laboratory work to illustrate the lectures.

**Second term;** Comparison of various types of animals with emphasis upon vertebrate form and function. Principles of embryology, physiology, evolution and genetics. Laboratory study of representatives of the main groups.

**Text-books:** *Robbins and Weier: Botany* (Wiley). Hunter and Hunter: *College Zoology* (Saunders).

## CHEMISTRY

PROFESSOR—J. A. McRae, M.A., Ph.D., F.R.I.C., F.R.S.C.

ASSISTANT PROFESSOR—R. Y. Moir, M.A., Ph.D.

The lecture and laboratory classes in General and Organic Chemistry are conducted in Gordon Hall.

Examinations are held at intervals during the session and the standing of the student is determined by the results of these examin-

ations and by the character of his laboratory work, as well as by the grade obtained at the annual examination.

No student is admitted to the annual examination who has failed to attain a satisfactory standard in the laboratory exercises.

#### FIRST YEAR

##### *General Chemistry and Analysis.*

(a) A course of three lectures per week on the fundamental laws and theories of these two subjects.

(b) A course of five hours per week of laboratory exercises. These exercises provide training in laboratory technique and include elementary qualitative and volumetric analysis.

Text-books: Amsden: *Physical Chemistry for Premedical Students*. Hartsuch: *Elementary Qualitative Analysis*. Dorrance: *Experiments and Problems in General Chemistry*.

Professor Moir.

#### SECOND YEAR

##### *Organic Chemistry.*

Two lectures, and one laboratory period of two hours per week are given so that the student will be well grounded in the fundamentals of Organic Chemistry, essential to the proper understanding of Biochemistry and its related sciences. Typical aliphatic and aromatic compounds are prepared, and their properties and reactions discussed.

Text-books: Wertheim: *Textbook of Organic Chemistry*  
Wertheim: *Organic Chemistry, Laboratory Guide for Organic Chemistry*.

Professor McRae.

#### ENGLISH

PROFESSOR—M. M. Ross, M.A., Ph.D.

The Department of English provides a course (English M) which must be taken by all first year Medical students. During the session the following volumes will be studied: *Anthology of Greek Drama* (Rine-



hart); Plato, *Symposium* (The Little Library); Dante, *Inferno* (Penguin); Shakespeare, *King Lear* (Penguin); Milton, *Paradise Lost* (Rhinehart); Moliere, *The Would-be-Invalid* (Crofts); Goethe, *Faust, Part I* (Penguin); Balzac, *Pere Goriot* (Rhinehart); Shaw, *Saint Joan* (Penguin); James, *The American* (Rhinehart); Eliot, *Selected Poems* (Penguin).

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Every student must possess a copy of Foerster and Steadman, *Writing and Thinking*, and should also have *The Concise Oxford Dictionary*.

During the session one hour a week is devoted to the practice and technique of public speaking. Every student must take part during the term. He is allowed to select his own subject, and at the close of the hour the lecturer offers friendly and constructive criticism of his effort.

## EYE, EAR, NOSE AND THROAT

PROFESSOR—F. A. Cays, M.D.,C.M., F.R.C.S.(C).

LECTURER—F. X. O'Connor, M.D.,C.M.

CLINICAL ASSISTANTS—G. B. MacPherson, M.D.,C.M.

J. G. McBroom, M.D.,C.M.

Fourth year students are given a review course in the anatomy and physiology of the eye, ear and nose.

Fifth year students are given a course of lectures and are taught the methods of examining patients and the use of various instruments.

The sixth year is the clinical year.

Instruction is carried on in the Kingston General Hospital.

Text-books: May, Parsons, Gifford, Logan Turner, Morrison, Wolfe.

Reference Books: Duke Elder, Brown, Fuchs, Jackson and Jackson, Berens, Kopetsky, Jackson, Imperatori, Portman, St. Clair Thompson, Walsh.

## MEDICAL JURISPRUDENCE

LECTURER—P. M. Macdonnell, M.A., M.D.,C.M.

LECTURER — J. M. Hickey, Q.C., B.A.

### FIFTH YEAR

The course in Jurisprudence includes the following: legal criminal procedure; Coroner's court; medical evidence, identity; modes of dying; sudden death, signs of death; homicide, suicide; wounds, burns and scalds; suffocation, hanging and strangling; drowning, death from starvation, cold and heat, lightning and electricity; marriage and divorce; offences against chastity; pregnancy and delivery; criminal abortion; infanticide, causes of death to the foetus; legitimacy, impotence, sterility; malingering and feigned diseases; survivorship, life assurance, wills, malpractice; Workmen's Compensation Act.

A short course deals with Toxicology or the science of poisons embracing the detection and treatment of criminal and accidental cases.

### BOOKS OF REFERENCE

Taylor; Hamilton; Peterson, Haines and Webster; Buchanan; Sidney Smith; Glaister.

## MEDICINE AND CLINICAL MEDICINE

PROFESSOR EMERITUS—W. T. Connell, M.D.,C.M., F.R.C.P.(C), LL.D.

PROFESSOR AND HEAD OF DEPARTMENT—W. Ford Connell, M.D.,C.M., M.R.C.P.(Lond.), F.R.C.P.(C), F.A.C.P.

PROFESSOR—G. Malcolm Brown, M.D.,C.M., D.Phil (Oxon.), M.R.C.P.(Lond.), F.R.C.P.(C), F.A.C.P.

ASSISTANT PROFESSORS—Denis N. White, M.A.,M.B., B.Chir.(Cantab.), M.R.C.P.(Lond.), F.R.C.P.(C).

Bruce H. Hopkins, M.B.

H. G. Kelly, M.D.,C.M., F.R.C.P.(C).

C. H. McCuaig, M.D.,C.M.

D. L. Wilson, M.A.,M.D.,C.M., F.R.C.P. (C)

LECTURERS—

C. W. E. Danby, M.D.,C.M., F.R.C.P.(C).

G. McCracken, M.D.,C.M., L.R.C.P., L.R.C.S. (Edin.), F.R.F.P.S.(Glas.).

F. D. O'Connor, M.D.,C.M.

S. S. Robinson, M.D.,C.M.

J. T. Tweddell, M.D.,C.M.

CLINICAL ASSISTANTS—	H. G. Bird, M.B.(Tor.), M.R.C.P.(Lond.), F.R.C.P.(C).
	L. B. Cronk, M.D.,C.M., F.R.C.P.(C)
	R. W. Dingwall, M.D.,C.M.,M.Sc.(Med.).
	J. E. Gibson, B.A., M.D.,C.M.,
	W. A. Young, M.D.,C.M., F.R.C.P.(C)
CLINICAL TUTORS—	T. J. Bresnahan, M.D.,C.M., M.R.C.P. (Lond.)
	M. H. West, M.D. (Lond.), M.R.C.P. (Lond.)

#### FOURTH YEAR

This is the first year in which the student is taught clinical medicine, and the principles and methods of physical diagnosis are shown him by lectures and clinical work in four of Kingston's hospitals. An introduction to the study of diseases of the cardiovascular system and chest is provided, with lectures and clinical demonstrations. Infectious diseases and diseases of the blood are also covered in this year.

#### FIFTH YEAR

This is largely a year of instruction by means of lectures which cover the whole field of general medicine, but in addition the student's clinical instruction is continued by clinical demonstration and by the examination and the writing of notes on patients in the wards of the two large Kingston hospitals.

#### SIXTH YEAR

This year is confined largely to practical instruction at the bedside and in small groups by means of clinical conferences and seminars. During this time, students are expected to be on emergency call to examine patients on admission to hospital and to follow their stay in the wards in every detail. In addition, instruction of a more formal type is given with therapeutic and clinico-pathological conferences.

#### TEACHING OF PHYSICAL MEDICINE

A set of lecture-demonstrations which stress the concept of total care of the patient and illustrate how specific treatment, physical, occupational, vocational and social therapy need to be integrated for the successful rehabilitation of the chronically ill patient is given in the fourth year. The general principles of electro and hydrotherapy, massage and exercise are outlined. Clinics to demonstrate the

application of these principles to specific disease problems are given in the Fifth Year.

#### TEXT-BOOKS

Cecil & Loeb: *Text-book of Medicine* or  
Harrison, *Principles of Internal Medicine*.

#### MANUALS

Forbes & Mann, *Clinical Examination of Patients*. Merritt, Mettler & Putnam, *Clinical Neurology*. Coope, *Diseases of the Chest*. Chatton, Margen & Brainerd, *Handbook of Medical Management*. Sutton, *Handbook of Diseases of the Skin*. Burch & Winsor, *A Primer of Electrocardiography*. Wheeler & Jack, *Handbook of Medicine*.

#### BOOKS OF REFERENCE

Cabot and Adam: *Physical Diagnosis*. Chamberlain, *Symptoms & Signs in Clinical Medicine*. Major, *Physical Diagnosis*. Cecil, *Textbook of Medicine*. Price, *A Textbook of the Practice of Medicine*. Ryle, *Natural History of Disease*. Beaumont, *Applied Medicine*. Manson-Bahr, *Synopsis of Tropical Medicine*. Conn, *Current Therapy*. Wintrobe, *Clinical Haematology*. Stokes, *Modern Clinical Syphilology*. Thomas, *Syphilis: Its Course and Management*. Ormsby & Montgomery, *Diseases of the Skin*. Top, *Communicable Disease*. Harries & Mitman, *Clinical Practice in Infectious Diseases*. Frieberg, *Diseases of the Heart*. Lewis, *Diseases of the Heart*. White, *Heart Disease*. Levine, *Clinical Heart Disease*. Wright, *Vascular Diseases in Clinical Practice*. Hollander, *Comroe's Arthritis*. Addis, *Glomerulo-Nephritis, Diagnosis and Treatment*. Smith, *Kidney Structure & function in health & disease*. Bell, *Renal Diseases*. Bockus, *Gastro-Enterology*. Krusen, *Physical Medicine & Rehabilitation*. Joslin et al, *Treatment of Diabetes Mellitus*. Duncan, *Diabetes Mellitus*. Duncan, *Diseases of Metabolism*. Soffer, *Diseases of the Endocrine Glands*. Albright & Riefenstein, *Parathyroid Glands & Metabolic Bone Disease*. French & Douthwaite, *An Index of Differential Diagnosis of Main Symptoms*. McLester, *Nutrition & Diet in Health and Disease*. Sodeman, *Pathologic Physiology: Mechanisms of Disease*. Alexander, *Psychosomatic Medicine*. Weiss & English, *Psychosomatic Medicine*. Kayne, Pagel & O'Shaughnessy, *Pulmonary Tuberculosis*.



## OBSTETRICS AND GYNECOLOGY

PROFESSOR—Edwin M. Robertson, M.B., Ch.B., F.R.C.O.G., F.R.C.S. (Edin.), F.R.C.S.(C).

ASSOCIATE PROFESSOR—Presley A. McLeod, B.A., M.D., C.M., F.R.C.O.G., F.R.C.S.(C).

ASSISTANT PROFESSOR—Gordon W. Mylks, B.A., M.D., C.M., F.A.C.S.

CLINICAL TUTOR—Henry Hutchison, M.B., Ch.B.(Ed.)

### FIFTH YEAR

A course of lectures is given in three subjects: (a) normal and abnormal obstetrics; (b) gynecology; (c) normal functions and diseases of the endocrine glands special to gynecology.

Tutorial classes and manikin drill are held for sections of the class.

### SIXTH YEAR

Instruction during the sixth year is mainly clinical, clinics and practical instruction being given in the obstetrical and gynecological wards.

Small sections of the class, in rotation, attend prenatal clinics.

A course of discussions on recent advances and on subjects of major importance receiving special attention in current literature is given weekly.

Revision classes are held in gynecological and obstetrical pathology. Each student receives a set of tissue sections which he must examine, sketch and annotate.

Manikin drill is also given.

### PRACTICAL TEACHING AIDS

In the practical classroom display cabinets exhibit natural-colour wax casts of normal organs and tumours and diseased organs common in gynecological and obstetrical practice. Also, full-scale models allow visualization of intra-vaginal and intra-pelvic lesions. In the field of Endocrinology life-like figurines illustrate common endocrinopathies, monsters, dwarfs and conditions of abnormal obesity.

The practical classroom is always open and obstetrical manikins and instruments are available for the study of mechanisms of labour, the practice of delivery, fitting pessaries, etc.

## RECOMMENDED TEXT-BOOKS

- Obstetrics*: Eastman, Haultain and Kennedy, Kerr & Moir.  
*Gynecology*: Curtis, Novak.  
*Obstetrics and Gynecology*: 1951 year book of Obstetrics and Gynecology.  
*Pathology*: Novak.  
*Journals*: Amer. Jour. Obst. and Gyn.; *Obstetrical and Gynecological Survey*.  
*Nursing*: Zabriskie.  
*Lay Reading*: (also useful for students and practitioners) — The Canadian Mother and Child (Dept. Pensions and National Health); Getting Ready to be a Mother (Corbin); Getting Ready to be a Father (Corbin); Facts for Childless Couples (Hamblen); Successful Marriage (Fishbein and Burgess).

## PATHOLOGY

- PROFESSOR—Robert H. More, M.D.(Toronto), M.Sc.(McGill)  
ASSOCIATE PROFESSOR—W. D. Hay, M.A., M.D.,C.M.  
ASSOCIATE PROFESSOR—G. F. Kipkie, M.D.,C.M., M.Sc.(McGill).  
LECTURER—F. F. Howatt, B.A., M.D.,C.M., M.Sc.(Med.)  
FELLOW—Howard Steele, M.D.,C.M.

## FOURTH YEAR

### *General Pathology*

For the first three months of the fourth year students attend a lecture course devoted to the aetiology and pathogenesis of disease, and disturbances common to the various tissues of the body. These are illustrated by gross demonstrations and laboratory sessions devoted to the study of microscopic sections.

Time—108 hours

### *Special Pathology*

The last four months of the fourth year, students attend a series of lecture courses on Special Pathology, and attend gross demonstrations, laboratory sessions devoted to the study of microscopic sections, autopsy case conferences, and clinical pathological conferences.

Time—180 hours

Books: Boyd, Anderson, Karsner, Smith & Gault.

References: Moore, MacCallum, Forbus.

#### FIFTH AND SIXTH YEARS

##### *Clinical Pathological Conferences*

These include conferences on medical and surgical cases in their clinical and pathological aspects, and are held each Saturday morning throughout the session with the Departments of Medicine and Surgery. Students of the fourth, fifth and sixth years are expected to attend.

Time—30 hours

##### *Medical Gross Pathology*

Demonstrations of the common diseases of the various systems are discussed with relation to clinical signs and symptoms.

Time—30 hours (15 hours in each term)

##### *Clinical Pathology*

Lectures and laboratory periods covering common techniques used in the examination of urine, blood, cerebrospinal fluid, and sputum and the diagnostic interpretation of such preparations.

Time—45 hours

##### *Surgical Pathology*

Demonstrations of gross surgical specimens are given to students of the sixth year.

Time—30 hours (5 hours to each surgical clinic)

##### *Autopsies*

Students are required to attend autopsies and must have attended 15 complete autopsies prior to graduation.

#### PEDIATRICS

PROFESSOR OF PEDIATRICS—R. R. MacGregor, M.C., M.D.,C.M.,  
F.R.C.P.(C).

LECTURER—J. S. Delahaye, M.D.,C.M.

CLINICAL ASSISTANTS—F. J. O'Connor Jr. M.D.,C.M.

—A. M. Bryans, M.D.

This course is taken in the fifth and sixth years, and is chiefly a clinical one. Instruction is given in the general care, management

and feeding of infants and young children; the clinical investigation of diseases of infants and young children with management and treatment; injuries and diseases of the newly born; derangements of nutrition; and practical demonstrations in the preparation of infant foods.

A limited number of students is allowed to visit twice weekly the well baby clinic of the Victorian Order of Nurses, where instruction is given in the care and feeding of well infants and in immunization against certain diseases.

Text-books: Holt and McIntosh, Mitchell, Neilson.

#### BOOKS OF REFERENCE

Marriott, Abt, Grulee, Porter and Carter, Patterson and Moncrieff, Kuglemas, Brown and Tisdall.

### PHARMACOLOGY

PROFESSOR—Eldon M. Boyd, M.A., M.D., C.M.

ASSOCIATE PROFESSOR—H. Douglas McEwen, M.A., Ph.D.

#### FOURTH YEAR

The course in Pharmacology taken by students of the fourth year consists of four lectures and three laboratory hours per week throughout the academic session. In the lectures, the history, chemistry, metabolism, pharmacodynamic actions, toxicology, therapeutic uses and methods of administration of pharmacopoeial and other drugs and chemotherapeutic agents are considered and arranged according to that system of the body upon which occurs their chief therapeutic use. In the Pharmacological Laboratory, students are given an opportunity to investigate for themselves the action of typical drugs upon normal animals and to dispense and test drugs. A survey of class results in the laboratory is made by assigned students in rotation and presented to the class in the form of a paper. During the year, approximately ten lectures are given upon systematic pharmacy and prescription writing and students individually write fifty to one hundred prescriptions.

#### TEXT-BOOKS

*General Pharmacology*: Krantz and Carr, *The Pharmacologic Principles of Medical Practice*, 2nd Edition, 1951.

*Experimental Pharmacology*: Laboratory Manual in Pharmacology, Queen's University.



*Prescription Writing:* Eggleston, *Essentials of Prescription Writing*, 8th Edition, 1947.

### BOOKS OF REFERENCE

*General Pharmacology:* Bastedo, Cushny, Davison, Dilling, Douthwaite, Gaddum, Gilman and Goodman, Grollman, Sollman, Thienes.

*Experimental Pharmacology:* Jackson, Potter, Sollman and Hanzlik.

*Materia Medica and Prescription Writing:* Bethea, British Pharmacopoeia 1948, British Pharmaceutical Codex 1949, Canadian Formulary, Canada Food and Drugs Act. National Formulary 1950, Remington, Solomon, United States Pharmacopoeia XIV.

### RESEARCH AND POSTGRADUATE COURSES

#### *Undergraduate Research:*

Facilities for research in pharmacology are available to a limited number of qualified students during the academic session. Applicants should consult the head of the department.

#### *Summer Research:*

During the summer vacation, students may be accepted as research assistants in pharmacology after consultation with members of the department. Applications for such appointments should be made by December 1 previous to the summer concerned.

#### *Postgraduate Research:*

Facilities are available for research in pharmacology to postgraduate students. This may or may not be included in a program of studies leading toward a postgraduate degree. Candidates should consult the head of the department.

#### *Postgraduate Courses:*

Candidates for the degree of M.Sc.(Med.) or M.A. may select one or more courses in the department of pharmacology as part of their prescribed work. These courses are individually arranged and consist of lectures, prescribed readings, seminars, experimental work and training in teaching. Candidates should consult the head of the department before registering in such courses.

## PHYSICS

PROFESSOR—B. W. Sargent, M.B.E., M.A., Ph.D., F.R.S.C.

ASSISTANT PROFESSOR—D. T. Roberts, B.Sc., Ph.D.

### FIRST YEAR

#### 1. *Elementary Physics.*

(a) A course of three lectures per week throughout the year. The course includes lectures on Statics, Dynamics, Properties of Matter, Heat, Sound and Light. Although the course is one on the fundamental laws of Physics, examples of the application of these laws to Medicine are introduced whenever it seems advisable to do so.

(b) Two hours per week in the laboratory.

Text-book: to be assigned.

### SECOND YEAR

#### 2. *Electricity and Magnetism, Conduction of Electricity through Gases, Roentgen Rays, Radioactivity and Nuclear Physics.*

(a) A course of two lectures per week in which a thorough elementary treatment of the above subjects is given. In the latter half of the course the lectures are designed to familiarize the student with modern X-ray equipment and its operation, with the physical nature of radiations of therapeutic value and with the medical aspects of nuclear physics.

(b) Two hours per week in the laboratory.

Text-books: General Physics to be assigned; Robertson, *Radiology Physics*, 2nd edition. (Van Nostrand).

## PHYSIOLOGY

PROFESSOR—G. Harold Ettinger, M.B.E., B.A., M.D.C.M., F.R.S.C.

ASSISTANT PROFESSOR—Margaret E. M. Sawyer, B.A., M.A., Ph.D.

ASSISTANT PROFESSOR—J. D. Hatcher, M.D., Ph.D. (Markle Scholar)

ASSISTANT PROFESSOR—J. B. Firstbrook, M.D., Ph.D.

### THIRD YEAR

1. *Experimental Physiology.* (a) A laboratory course is given in the dynamics of muscle and nerve, the nervous system, circulation, respiration, digestion, secretion, excretion, etc.

**2. Physiology.** The subject is treated systematically and the lecture course is supplemented by demonstrations and by the work in the experimental class. Special emphasis is laid on the application of Physiology to clinical study.

Text-books: Bard, *McLeod's Physiology in Modern Medicine*; Best and Taylor, *Physiological Basis for the Practice of Medicine*. Fulton, *Text-book of Physiology*. Bell Davidson and Scarborough, *Text-book of Physiology and Biochemistry*.

Books of Reference: Newton, *Recent Advances in Physiology* Wiggers, *Physiology in Health and Disease*. Cameron, *Recent Advances in Endocrinology*. Robson, *Recent Advances in Reproductive Physiology*. Sherrington, *Integrative Action of the Nervous System*. Tilney and Riley, *The Form and Functions of the Central Nervous System*. Liddell and Sherrington, *Mammalian Physiology*. Markowitz, *Text-book of Experimental Surgery*. Allen, Danforth and Doisy, *Sex and Internal Secretions*. Babkin, *Secretory Mechanism of the Digestive Glands*

#### OPTIONAL COURSES

(a) Graduate studies leading to the Degree M.Sc.(Med.).

The department offers instruction and research supervision and facilities for graduates who desire to take this degree in Physiology.

(b) Research in Physiology.

Properly qualified students are admitted to the laboratory for postgraduate study and special research, even if not proceeding to a degree. This work may be done during the summer months, as well as during the teaching season.

#### PSYCHIATRY

PROFESSOR OF PSYCHIATRY—C. H. McCuaig, M.D.,C.M.

ASSISTANT PROFESSOR—D. O'Gorman Lynch, M.D.C.M.

CLINICAL ASSISTANTS—H. L. Batstone, B. Comm. M.D.,C.M.

R. M. Billings, M.D.,C.M.

M. J. O'Connor, M.D.,C.M.

L. J. Palmer, M.D.,C.M.

G. D. Scott, M.D.C.M.

G. E. Wilson, M.D.

PSYCHOLOGIST— Elspeth Baugh, A.M.

Instruction in Psychiatry is given in the third, fourth, fifth and sixth years.

The third year course is concerned with a critical consideration of the main principles of the theories of behaviour and an attempt to derive an integrated and comprehensive formulation of adaptive behaviour based upon biologic and dynamic principles; the application of such formulations in the study of general medicine with particular emphasis upon the neurosis and psychosis.

The fourth year course consists of lectures and clinics covering the various forms of mental disorders. Abundant material is available both at the Ontario Hospital and the General Hospital. Special emphasis is given to the psychoneurotic disorders from the ward services in the General Hospital.

Instruction in the fifth year, both at the General and Ontario Hospitals, includes lectures, clinics and special demonstrations of methods of investigation and treatment on the various forms of mental disease, particular emphasis in this year being on the major psychoses.

The final year course is entirely clinical and consists of small group teaching. The emphasis is chiefly on the psychosomatic disorders. The practical aspects of mental hygiene and study of various behaviour problems of children are observed at a special observation centre.

*Text-books:* Strecker: *Outline of Psychiatry*.

Jules Masserman: *Principles of Dynamic Psychiatry*  
(Saunders)

Franz Alexander: *Fundamentals of Psychoanalysis*  
(Norton)

*Text-book of Psychiatry:* Henderson & Gillespie

*Psychosomatic Medicine:* Weiss & English

*Modern Clinical Psychiatry:* Noyes

## PSYCHOLOGY

PROFESSOR—J. M. Blackburn, B.Sc., Ph.D.

### SECOND YEAR

The course in Psychology for second year students consists of lectures and demonstrations dealing with fundamental problems of learning, remembering, perceiving, thinking and other forms of normal behaviour in the first term, and with the development of personality, and its normal and abnormal manifestations in the second term. The course is in preparation for a later course in Psychopathology, given in the third year.

*Text:* Yacorzynsky, G. K. *Medical Psychology* (Ronald Press, 1950)



## PUBLIC HEALTH AND PREVENTIVE MEDICINE

THE ARTHUR R. ELLIOT PROFESSOR—John Wyllie, M.A., M.D., B.Sc.,  
D.P.H.

LECTURER—R. A. Kelly, M.D., C.M.

### FIELD COURSE

Outdoor visits to Public Health Schemes are arranged during the term September to December in the FOURTH YEAR. The visits include inspection of Water Supply Schemes, Sewage Disposal Plants, Ventilating and Heating systems in schools, colleges and factories, an Incinerator Plant, Food establishments, a model Dairy Farm, a Pasteurizing plant, a Storage-battery plant, a tile factory, and the R.C.E.M.E. workshop.

Visits to large industrial concerns, e.g. the Nylon Plant and the Aluminum Plant, emphasize schemes for the Medical Supervision of employees and of Social Insurance.

The work of the Public Health Nurse in the City Health Department, the duties of the Social Service Worker in the Children's Aid Society, and the functions of the Department of Social Welfare in the Community are outlined by the chief Administrators of these departments. The services of the Victorian Order of Nurses in the Community are described in a lecture-demonstration by the nurse in charge of the local clinic.

The practice of Public Health in a military camp and in a large hospital is emphasized in visits to Vimy Barracks Camp and the Ontario Hospital, Rockwood.

During the term January to April arrangements are made for small groups of students to attend a Child Welfare clinic, a Tuberculosis clinic, and a Mental Health clinic.

### LECTURE COURSE I

Medical students in the FOURTH YEAR of study attend a course of didactic lectures dealing with the sanitary aspects of Public Health.

The following subjects are discussed and illustrated with lantern slides: food control, housing, water and water supply, domestic and community sanitation, school hygiene, air and ventilation, heating and lighting, industrial hygiene, occupational diseases and medical parasitology.

Laboratory demonstrations include chemical and bacteriological analyses of water and milk, methods for the detection of poisons and preservatives in foods, and microscopic exhibits of the chief insect vectors of disease.

## LECTURE COURSE II

Medical students in their FIFTH YEAR of study attend a course of didactic lectures on Public Health administration, vital statistics and the preventive and epidemiological aspects of communicable diseases.

### MEDICAL PARASITOLOGY

A series of weekly laboratory periods for medical students in the FIFTH YEAR is arranged throughout the session, during which mounted and stained preparations are supplied to each student for microscopical examination. The course embraces topics in protozoology, helminthology and medical entomology.

### BOOKS OF REFERENCE

Currie, *Manual of Hygiene*. Rosenau, *Preventive Medicine and Hygiene*. Prescott and Horwood, *Sedgwick's Principles of Sanitary Science and Public Health*. Boyd, *Preventive Medicine*. Smellie, *Preventive Medicine and Public Health*. Stitt, Clough and Branham, *Practical Bacteriology, Haematology and Parasitology*. Craig and Faust, *Clinical Parasitology*. Belding, *Text-book of Clinical Parasitology*.

### RADIOLOGY

PROFESSOR—W. A. Jones, O.B.E., V.D.,C.D., M.D., F.R.C.P(C), F.F.R., F.A.C.R.

ASSOCIATE PROFESSOR—R. C. Burr, M.D.,C.M., F.R.C.S.(Edin.), F.R.C.S.(C)

CLINICAL ASSISTANT—E. E. Johnston, M.D.,C.M., D.M.R.

DEMONSTRATOR—A. F. Holloway, M.Sc.

### FOURTH YEAR

Eighteen hours, practical demonstration of x-ray films and lectures on diagnostic radiology.

### FIFTH YEAR

Forty-four hours, lectures on diagnostic radiology and practical x-ray film reading.

Sixteen hours, lectures on radiotherapy and the radiological diagnosis of neoplasms.

### SIXTH YEAR

A clinical-radiological conference once a week.

Each student serves as a shadow for one week in the department of diagnostic radiology and another week in the department of radiotherapy and the cancer clinic.

## BOOKS OF REFERENCE

Robertson: *Radiology Physics*. Glasser, Quimby, Taylor and Weatherwax: *Physical Foundations of Radiology*. Shanks, Kerley and Twining: *A Textbook of X-Ray Diagnosis*. Pancoast, Pendergrass, Schaffer: *Head and Neck in Roentgen Diagnosis*. Golden: *Diagnostic Roentgenology*. Kohler: *Roentgenology*. Caffey: *Pediatric X-Ray Diagnosis*. Watson-Jones: *Fractures and Other Bone Injuries*. MacKee: *X-Rays and Radium in the Treatment of Diseases of the Skin*. Canadian Medical Association: *Handbook on Cancer*. Cutler Bushke: *Cancer, its Diagnosis and Treatment*. Pohle: *Clinical Roentgen Therapy*. Meschan, *Normal Radiographic Anatomy*

## SURGERY

PROFESSOR—D. L. C. Bingham, M.B., Ch.B., F.R.C.S.(Edin.),  
F.R.C.S.(C), F.A.C.S.  
ASSOCIATE PROFESSOR—S. W. Houston, M.D.,C.M., F.R.C.S.(Edin.),  
F.R.C.S.(C).  
ASSOCIATE PROFESSOR—D. W. Boucher, M.D.,C.M., F.R.C.S.(Edin.),  
F.R.C.S.(C).  
ASSISTANT PROFESSOR OF PLASTIC SURGERY—A. R. Tilley, O.B.E., M.D.  
LECTURER—Basil M. Koster, M.D.  
CLINICAL ASSISTANT—H. M. Warner, M.D.,C.M., F.R.C.S.(C).  
CLINICAL ASSISTANT—T. N. Tweddell, M.D.,C.M., F.A.C.S.  
CLINICAL ASSISTANT—G. C. Lindsay, M.D.,C.M.  
CLINICAL ASSISTANT—K. S. Clarke, M.D.,C.M., F.R.C.S.(Ed.)  
CLINICAL ASSISTANT (ORTHOPEDIC SURGERY)—W. J. S. Melvin, B.A.,  
M.D.,C.M., F.R.C.S.  
INSTRUCTOR—D. M. Thomson, B.S., M.D., F.R.C.S.(Eng.), F.R.C.S.(C)  
TEACHING FELLOWS—D. T. Smylie, M.D.,C.M.  
W. B. Glent, M.D.,C.M.,  
CLINICAL TUTOR—R. M. Jackson, M.D.  
LECTURER IN ANESTHESIOLOGY—W. A. Campbell, M.D.,C.M.  
LECTURER IN ANESTHESIOLOGY—H. S. Angrove, M.D.,C.M.  
LECTURER IN ANESTHESIOLOGY—A. B. Noble, M.D., F.A.C.A.  
LECTURER IN ANESTHESIOLOGY—J. H. S. Mahood, M.D.,C.M.

## FOURTH YEAR

In the fourth year a course of systematic lectures on general surgery is given in which the principles and practice of surgery are discussed. Clinics are held at the General Hospital and Hotel Dieu Hospital. During the year emphasis is placed upon physical diagnosis and the general approach to the patient.

## FIFTH YEAR

In the fifth year the surgical specialties are introduced to the student and emphasis is placed upon bedside teaching. During the second term a practical class is held on bandaging, the application of Plaster of Paris splints, the administration of intravenous fluids, and other minor surgical procedures.

## SIXTH YEAR

The Sixth Year in medicine will be largely devoted to clinical work. Half the year will be in Kingston and half the year at the Ottawa Civic Hospital. Each student will spend approximately sixteen weeks at each centre. During the year, as much emphasis as possible will be made upon the clinical examination and treatment of cases.

## ANESTHESIOLOGY

A course of lectures is given in the fifth year, and practical demonstrations in the fifth and sixth years by Dr. Campbell and his staff.

## APPROVED TEXT-BOOKS

Aird; Christopher; Illingworth; Thomson, Miles, and Wilkie; Bailey and Love; Homans; Romanis and Mitchiner.

Fractures: Watson-Jones.

Orthopedics: Mercer, McMurray.

Physical Diagnosis: *Physical Signs in Clinical Surgery*, Hamilton Bailey.

Anesthesiology: Minnit and Gillies, *Text Book of Anesthetics*. Stuart C. Cullen, *Anesthesia in General Practice*. Guedel, *Inhalation Anesthesia*.

Surgical Anatomy: Lee MacGregor; Callander.

## UROLOGY

PROFESSOR—N. E. Berry, M.D., C.M.

LECTURER—E. P. White, M.D., C.M., F.R.C.S. (Edin.).

## FIFTH YEAR

A course of lectures is given of one hour a week covering venereal diseases and general urology.

## SIXTH YEAR

The course is devoted entirely to the demonstration of cases. The whole field of diagnosis and treatment of urological conditions is covered.

## BOOKS OF REFERENCE

Eisendrath and Rolnick: *Urology*. LeComte: *Manual of Urology*. Nesbit: *Fundamentals of Urology*.



## DEGREES CONFERRED

June 7, 1952

### DOCTOR OF MEDICINE AND MASTER OF SURGERY

Francis George Adderley*	Toronto, Ont.
Wilfred Stuart Bailey*	Toronto, Ont.
Gerald Sidney Base*	Toronto, Ont.
Norman William Bradford*	Corbyville, Ont.
Campbell Glenn Cameron	Belleville, Ont.
Hugh Chrisholm Campbell*	Toronto, Ont.
James Wallace Charters*	Hamilton, Ont.
Robert William Cornett	Hamilton, Ont.
Ross Henderson Craig*	Ottawa, Ont.
James Higgs Daniels*	Belleville, Ont.
Robert Stevenson Dolman*	Hamilton, Ont.
Ainslie Hamilton Dowd*	Ottawa, Ont.
Katherine Maria Drechsler, B.A.	Kingston, Ont.
Robert Andrew Duncan* †	Kingston, Ont.
Benjamin Horace Dunn*	Aylmer East, Que.
Dawson Wray Einarson*	Parry Sound, Ont.
Douglas William Geiger	Toronto, Ont.
Sydney Lewis Handford*	Arnprior, Ont.
John Henry Hemming*	Hamilton, Ont.
Ernest Harold Holland*	Rocanville, Sask.
Norman Stewart Jones*	Toronto, Ont.
Eric Ronald Keirstead*	Edmundston, N.B.
Harold Eugene Laycock*	Walter's Falls, Ont.
Robert Henry Lee	St. John, N.B.
Joseph Ernest Loree*	Guelph, Ont.
Hugh Daniel Joseph Derouin McCoy*	Ottawa, Ont.
Hugh Macdonald*	Kingston, Ont.
Charles Grant MacKenzie, B.A.*	Oakville, Ont.
Francis Alexander McKinnon*	Sudbury, Ont.
Alexander Joseph McLean	Greenfield, Ont.
Samuel Keith MacLean, B.Sc.*	Sherbrooke, Que.
Monica Evelyn McMullen, B.A.	Frankford, Ont.
David Emerson Moors	Kingston, Ont.
Leslie Louis Mould*	Orillia, Ont.
Frederick William Murphy*	Orillia, Ont.
James Raphael Purvis*	Mallorytown, Ont.
Leland Marlowe Read*	Regina, Sask.
John Clifford Reid*	Oro Station, Ont.

† — Graduates of October, 1951

\* — Ex-service

Gordon Waldron Robertson*	Kingston, Ont.
Lorne Edward Ross*	Hawkesbury, Ont.
Garnett Ralph Schamehorn*	Kingston, Ont.
Howard Shibley Sexsmith, B.A.*	Kingston, Ont.
Robert Garfield Tate*	Regina, Sask.
Louis Jean Maurice Tremblay	Ottawa, Ont.
Kenneth Paul Gilbert Vassal	Niagara Falls, Ont.
George Weber, B.A.	Kingston, Ont.
Orville Badham Wilson*	Ottawa, Ont.
John Clifton Wyllie	Kingston, Ont.
Alice Jean Zarfes (Mrs D. E.)*	Snow Road, Ont.
Donald Elliott Zarfes*	Orillia, Ont.

## MEDALS, SCHOLARSHIPS, AND PRIZES

AWARDED JUNE, 1952

### SIXTH YEAR

- Medal in Medicine—John Henry Hemming, Hamilton, Ontario.
- The Mylks Medal in Obstetrics and Gynecology—Leslie Louis Mould, Orillia, Ontario.
- Medal in Surgery—Robert William Cornett, Hamilton, Ontario.
- The W. W. Near and Susan Near Prize of \$100 awarded to the student making the highest standing throughout the medical course, and of \$70 to the student making the second highest standing—  
1st: John Clifton Wyllie, Kingston, Ontario. 2nd: John Henry Hemming, Hamilton, Ontario.
- The Dean Fowler Scholarship of \$40 for the highest marks in the examinations of the sixth year—John Henry Hemming, Hamilton, Ont.
- The Edgar Forrester Scholarship of \$40 awarded to the student making the highest number of marks in final year Medicine and Clinical Medicine—John Henry Hemming, Hamilton, Ontario.
- The David Edward Mundell Prize of \$40 for the highest aggregate marks in Surgical Applied Anatomy—Leslie Louis Mould, Orillia, Ontario.
- The Ontario Medical Association Prize of \$25 for the highest marks in Preventive Medicine—John Clifton Wyllie, Kingston, Ontario.
- The Hannah Washburn Polson Prize of \$50 for proficiency in Clinical Diagnosis in Medicine, Surgery and Obstetrics—Leslie Louis Mould, Orillia, Ontario.
- The Professor's Prize in Obstetrics and Gynecology—Leslie Louis Mould, Orillia, Ontario.

The Professor's Prize in Preventive Medicine—Campbell Glen Cameron, Belleville, Ontario; John Henry Hemming, Hamilton, Ontario; equal.

The Professor's Prize in Surgery—Robert William Cornett, Hamilton, Ontario.

Professor's Prizes in Radiology. Two prizes of equal value (\$25); one prize for work during first term at Kingston, and one prize for work during the second term at Kingston—Leslie Louis Mould, Orillia, Ontario; Samuel Keith MacLean, B.Sc., Sherbrooke, Que.

The John Franklin Kidd Prize of \$300 awarded to the student in the final year in the Faculty of Medicine found by the Dean of such Faculty to be the most deserving, and such scholarship shall be for the purpose of assisting such student in research work in Surgery at Queen's—Robert William Cornett, Hamilton, Ontario.

The Neil Currie Polson Memorial Prize of \$50 awarded to the student in final year Medicine judged by his teachers to be the best adapted to apply his training in practice—Robert William Cornett, Hamilton, Ontario.

#### FIFTH YEAR

The Rueben Wells Leonard Penultimate Year Scholarships, of the values of \$300 and \$200, awarded to the students obtaining the highest and second highest standing respectively at the end of the penultimate year—1st: David Barsky, Regina, Saskatchewan. 2nd: James William Meakin, Richmond, Ontario.

The W. W. Near and Susan Near Scholarship of \$50 awarded to the student with the second highest standing in the fifth year—James William Meakin, Richmond, Ontario.

The Bernard Thomas McGhie Memorial Scholarship of \$100 in Psychosomatic Medicine—Joan Daphne Witney, B.N.Sc., Saskatoon, Saskatchewan.

The Isobel McConville Scholarship of \$100 awarded to the student in the fifth year making the highest marks in Gynecology—Joan Cicely Harrison, Ann Arbor, Michigan.

The Sandoz Prize for the highest standing in the clinical examination in Medicine in the fifth year—Joan Cicely Harrison, Ann Arbor, Michigan.

The Victor Lyall Goodwill Memorial Scholarship of \$100 in Internal Medicine—Joan Cicely Harrison, Ann Arbor, Michigan.

#### FOURTH YEAR

- The W. W. Near and Susan Near Scholarships of \$80 awarded to the student making the highest standing in the examinations of the fourth year, and of \$40 to the student making the second highest standing—1st: John Orval Parker, Peterborough, Ontario. 2nd: Leslie Stephen Valberg, Regina, Saskatchewan.
- The George and Mary Louise Patton Scholarship of \$80 awarded to the student in the fourth year who, in the opinion of the professors concerned, shows the greatest aptitude in the clinical work of the year—Leslie Stephen Valberg, Regina, Saskatchewan.
- The Canadian National Committee for Mental Hygiene Prize of \$50 awarded to the student making the highest marks in Psychiatry—Shirley Maude Fyles, B.A., Montreal, Que.
- The Sylvanus Joy Scholarship of \$40 awarded to the student making the highest number of marks in Pharmacology—John Orval Parker, Peterborough, Ontario.
- The D. T. Smith Prize in Pharmacology of \$20 awarded to the student making the second highest number of marks in Pharmacology—Desta Frances Leavine, B.A., Kitchener, Ontario.

#### THIRD YEAR

- The W. W. Near and Susan Near Scholarships of \$80 awarded to the student making the highest standing in the examinations of the third year, and of \$40 to the student making the second highest standing—1st: Alfred Kenneth Wyllie, Kingston, Ontario. 2nd: David Murray Robertson, Weyburn, Saskatchewan.
- The Toronto Branch of the General Alumni Scholarship of \$100, which is given by the Toronto Branch of the General Alumni Association for a period of five years, and is awarded to the student of the third year with the highest standing in Physiology and Bacteriology—David Murray Robertson, Weyburn, Saskatchewan. Alfred Kenneth Willie, Kingston, Ontario, equal.
- The Melvin Prize in Physiology \$50, established by Dr. L. Antonik of Hearst, Ontario, in memory of Dr. G. Spencer Melvin, and awarded to the student of the third year judged most proficient in Physiology—William Risley Fellows, Windsor, Ontario.



The Boak Scholarship awarded to the student making the highest marks in the written and oral examinations in Anatomy of the third year—Alfred Kenneth Wyllie, Kingston, Ontario.

The Mabel Truax Hamm Scholarship of \$30. established by Mr. T. T. Bower, M.B.E., of Winnipeg, Manitoba, in memory of his wife and awarded to the student making the highest mark in Biochemistry—Lawrence Winton, Saskatoon, Saskatchewan. Alfred Kenneth Wyllie, Kingston, Ontario, equal.

## SECOND YEAR

The W. W. Near and Susan Near Scholarships of \$80 awarded to the student making the highest standing in the examinations of the second year, and of \$40 to the student making the second highest standing—1st: Bruce Magoffin Carruthers, Miraj, India. 2nd: Hugh Gregory Langley, A.B., St. Catharines, Ontario.

The Helen E. Dwyer Memorial Scholarship of \$50 for the highest marks in Embryology and Histology of the second year—John Richard Ruedy, Ottawa, Ontario.

The N. F. Dupuis Scholarship of \$50 awarded to the student making the highest marks in Chemistry of the second year—Charles Edward Bird, Gananoque, Ontario.

## FIRST YEAR

The W. W. Near and Susan Near Scholarships of \$80 awarded to the student making the highest standing in the examinations of the first year, and of \$40 to the student making the second highest standing—1st: Norman Ronald Aldous, Oshawa, Ontario. 2nd: Ralph Stuart Lewis, Nelson, British Columbia.

The Robert Bruce Scholarship awarded to the student making the highest number of marks on the regular examinations of the first year. Norman Ronald Aldous, Oshawa, Ontario.

The Roberta McCulloch Scholarship in English awarded to the student standing first in Medical English—Gerhard Ernest Steinhoff, Fort William, Ontario.

# STUDENTS IN ATTENDANCE

September, 1951 to May, 1952

## SIXTH YEAR

Francis George Adderley	Toronto, Ont.
Wilfred Stuart Bailey	Toronto, Ont.
Gerald Sidney Base	Toronto, Ont.
Norman William Bradford	Corbyville, Ont.
Campbell Glenn Cameron	Belleville, Ont.
Hugh Chisholm Campbell	Toronto, Ont.
James Wallace Charters	Hamilton, Ont.
Robert William Cornett	Hamilton, Ont.
Kenneth George Cox	Toronto, Ont.
Ross Henderson Craig	Ottawa, Ont.
James Higgs Daniels	Belleville, Ont.
Robert Stevenson Dolman	Hamilton, Ont.
Ainslie Hamilton Dowd	Ottawa, Ont.
Katherine Maria Drechsler, B.A.	Kingston, Ont.
Benjamin Horace Dunn	Aylmer East, Que.
Dawson Wray Einarson	Parry Sound, Ont.
Douglas William Geiger	Toronto, Ont.
Sydney Lewis Handford	Arnprior, Ont.
John Henry Hemming	Hamilton, Ont.
Ernest Harold Holland	Rocanville, Sask.
Norman Stewart Jones	Toronto, Ont.
Eric Ronald Keirstead	Edmundston, N.B.
Harold Eugene Laycock	Walter's Falls, Ont.
Robert Henry Lee	St. John, N.B.
Joseph Ernest Loree	Guelph, Ont.
Hugh Daniel Joseph Derouin McCoy	Ottawa, Ont.
Hugh Macdonald	Kingston, Ont.
Charles Grant MacKenzie, B.A.	Oakville, Ont.
Francis Alexander McKinnon	Sudbury, Ont.
Alexander Joseph McLean	Greenfield, Ont.
Samuel Keith MacLean, B.Sc.	Sherbrooke, Que.
Monica Evelyn McMullen, B.A.	Frankford, Ont.
David Emerson Moors	Kingston, Ont.
Leslie Louis Mould	Orillia, Ont.
Frederick William Murphy	Kingston, Ont.
James Raphael Purvis	Mallorytown, Ont.
Leland Marlowe Read	Regina, Sask.
John Clifford Reid	Oro Station, Ont.
Gordon Waldron Robertson	Kingston, Ont.

Lorne Edward Ross .....	Hawkesbury, Ont.
Garnett Ralph Schamehorn .....	Kingston, Ont.
Howard Shibley Sexsmith, B.A. ....	Kingston, Ont.
Robert Garfield Tate .....	Regina, Sask.
Louis Jean Maurice Tremblay .....	Ottawa, Ont.
Kenneth Paul Gilbert Vassal .....	Niagara Falls, Ont.
George Weber, B.A. ....	Kingston, Ont.
Orville Badham Wilson .....	Ottawa, Ont.
John Clifton Wyllie .....	Kingston, Ont.
Alice Jean Zarfas (Mrs. D. E.) .....	Snow Road, Ont.
Donald Elliott Zarfas .....	Orillia, Ont.

#### FIFTH YEAR

Victor Abramson .....	Ansonville, Ont.
Robert Winfred Allin .....	Port Perry, Ont.
David Barsky .....	Regina, Sask.
Charles William Baugh .....	Guelph, Ont.
Kenneth Hugh Berkeley .....	St. Catharines, Ont.
John Alexander Carmichael .....	Regina, Sask.
Yale Knox Carter .....	Ottawa, Ont.
Emmett Terrence Cleary .....	Lunenburg, Ont.
Daniel Henry Connor .....	Washington, D.C.
Helen Elizabeth Currie .....	Kingston, Ont.
Douglas Alfred Denny .....	Toronto, Ont.
Philip John Doyle .....	Moose Creek, Ont.
William Thomas Gattfield .....	Windsor, Ont.
William Thomas Gaukrodger .....	Russell, Ont.
Kenneth Mackay Goodwin .....	Ste. Anne de Bellevue, Que.
Grahame Frewer Gower .....	Midland, Ont.
John George Graham .....	Vancouver, B.C.
Charles Ross Green .....	Belleville, Ont.
Howard Alan Guest .....	Stonewall, Man.
Ernest Stanley Hagerman .....	Belleville, Ont.
Joan Cicely Harrison .....	Kingston, Ont.
James Francis Harrison .....	Toronto, Ont.
Gordon Leath Henderson .....	Kingston, Ont.
Sidney John Soutar Horne .....	Orillia, Ont.
William Ramsay Johns .....	Hamilton, Ont.
William Thomas Kellington .....	Stouffville, Ont.
John William Kerr .....	Guelph, Ont.
Gordon Lorne Liberty .....	Ottawa, Ont.
Jane Elizabeth Logan .....	Toronto, Ont.
William John McCafferty .....	Smooth Rock Falls, Ont.
Thomas Francis McCarthy .....	Kingston, Ont.

George Dean McEwen	Metcalfe, Ont.
Margaret Lilian Marsh	New Westminster, B.C.
James William Meakin	Richmond, Ont.
Norman Edward Miller	Sault Ste. Marie, Ont.
John James Murie	Hamilton, Ont.
John Charles Nixon	New Liskeard, Ont.
Lloyd Frank O'Neil	Windsor, Ont.
William George Peters	Cardinal, Ont.
John Andrew Ferris Playfair	Ottawa, Ont.
Patricia Anne Radcliffe	Vancouver, B.C.
Roland Wooton Radcliffe, M.A.	Vancouver, Ont.
Joseph David Reid	Kingston, Ont.
Edward Patrick Ryan, A.B.	Larchmont, N.Y.
Bruce Guy Sadler	Oshawwa, Ont.
Edward Jacob Sheffman	St. John's, Nfld.
Leif Erik Simonsen	Port-Arthur, Ont.
Edward Roy Somerleigh	Chapleau, Ont.
Arthur Elwood Somerville	Forester's Falls, Ont.
Richard Alan Churchill Swan	Portsmouth, Ont.
Stanley Boyd Joseph Upper	Belleville, Ont.
Walter Govan Waddell	Ottawa, Ont.
Hubert Gerald Wagar, B.A.	Belleville, Ont.
Frederick Hugh Oldfield Warner	Marcy, N.Y.
Stanley Webb	Ottawa, Ont.
Joan Daphne Witney, B.Sc. N.	Saskatoon, Sask.
Donald Stewart Wood, B.Sc.	Assiniboia, Sask.

#### FOURTH YEAR

Kenneth MacMartin Adams	Iroquois Falls, Ont.
Kenneth George Joseph Appleby, B.A.	Vancouver, B.C.
Don Robert Bahner	Hamilton, Ont.
James Alexander Baird, B.A.	Kamloops, B.C.
Margaret Ruth Bell	Kingston, Ont.
James Russell Birchard	Ottawa, Ont.
Gordon Samuel Bird	Kincardine, Ont.
Gordon Harold Blair, B.A.	Vancouver, B.C.
James William Burrows	Fort William, Ont.
Hugh Charles Cameron	Ottawa, Ont.
Charles Winfield Carpenter	Vancouver, B.C.
Betty Cecilia Chinn	Victoria, B.C.
Harlow Richard Dwight Connell, A.B.	Bluefield, West Va.
Gerald Peter Cranston	Toronto, Ont.
Richard Edgar Donevan	Oshawwa, Ont.
Frederick Gordon Cyril Cecil Dunn	Calgary, Alta.



William Hamilton Flewelling	Ottawa, Ont.
Kenneth Alan France	Kelowna, B.C.
Shirley Maude Fyles, B.A.	Montreal, Que.
William Barron Garvock	Ottawa, Ont.
Joseph Andre Ernest Roland Gravel	Toronto, Ont.
Kevin Snowdon Blaisdell Wood Greaves	Ottawa, Ont.
Joseph Bernard Greenspan, B.Sc.	Niagara Falls, Ont.
George Robert Horne	Perth, Ont.
Patricia Anne Hutchison	Regina, Sask.
Desta Frances Leavine, B.A.	Kitchener, Ont.
Alfred Howard Lower	Kingston, Ont.
Robert Daniel James McAuley	Ottawa, Ont.
Ronald George McAuley	Hamilton, Ont.
James David McClure	North Bay, Ont.
Robert Ernest McGirr, B.Sc.	Toronto, Ont.
Donald William McLennan	Hamilton, Ont.
William Robert McMillan	Hamilton, Ont.
Donald Bruce McNaughton	Walkerville, Ont.
Jerrold Alan MacVittie	Port Arthur, Ont.
Jack Harris Marcovitch	Montreal, Que.
Anthony John Denham Meek	Kingston, Ont.
Irene Edith Millar	Cobden, Ont.
George William MacKay Murdoch, B.A.	Vancouver, B.C.
John Alexander Nickerson	Kenora, Ont.
William Henry Novick	Montreal, Que.
John Orval Parker	Peterborough, Ont.
Alexander Pollock	Saskatoon, Sask.
Charles Horace Ramsden	Ottawa, Ont.
Ely Ravinsky, B.A.	Montreal, Que.
Norris Hamilton Ready	Kingston, Ont.
John Alexander George Roberts	Hamilton, Ont.
Henry Lynnwood Sargeant	Sault Ste. Marie, Ont.
John Owen Slingerland	Frankford, Ont.
Harry Crowther Smith, B.A.	Copper Cliff, Ont.
Blyth Earle Taylor	Maniwaki, Que.
Wallace Johnston Troup	Ottawa, Ont.
Leslie Stephen Valberg	Regina, Sask.
Malcolm Charles Veidenheimer	Hamilton, Ont.
Herbert Ovas Wagg	Collingwood, Ont.
John Hamilton Webster	Picton, Ont.
Edgar Dake Wong	Ottawa, Ont.
William Albert Yates	Ottawa, Ont.

### THIRD YEAR

Joseph Arthur Raymond Aubin, B.A.	Hearst, Ont.
Roland Peter Beck	Ottawa, Ont.
Donald Bell, B.A.	Binbrook, Ont.
Donald Elliott Box	Arnprior, Ont.
Seymour Bernard Bronstein	Montreal, Que.
Stuart Benson Bruce	London, Ont.
Joseph Frederick Cooke, B.A.	Lloydminster, Sask.
David Bigelow Coulson	Port Arthur, Ont.
June Cowen	Hamilton, Ont.
Robert Hamilton Cowen, B.A.	Hamilton, Ont.
Alexander Otto Cserepes	Windsor, Ont.
Henry Begg Dinsdale	Peterborough, Ont.
Thomas Fraser Draper, B.S.	Jamaica, N.Y.
Maurice Joseph Farrell	Copper Cliff, Ont.
William Risley Fellows	Windsor, Ont.
James John Alexander Fraser	Port Elgin, Ont.
Therese Marie Lorraine Gauthier	Calgary, Alta.
Richard Roblin Gillies	Port Nelson, Ont.
Gerald Robert Green	Shaunavon, Sask.
John Bonar Hamilton	Doaktown, N.B.
James Gregory Hamilton	Westport, Ont.
Mary Catharine Hill	Ottawa, Ont.
Donald Gordon Hooper	Kingston, Ont.
Lillian Jean Huntley, B.A.	Sutton West, Ont.
Frederick Arthur Benjamin Inch	Hamilton, Ont.
Gerald Anthony Lyall Irwin, A.B.	St. Alban's, N.Y.
Richard Wesley Johnson	Windsor, Ont.
Walter Lawrence Johnson	North Bay, Ont.
Borden Kitchen	Burgis, Sask.
Frederick Francis Lepinskie	Hamilton, Ont.
David MacLachlan	Kingston, Ont.
Donald Walker McLean	Kirkland Lake, Ont.
Thomas Gordon MacLeod, B.Sc.	East St. John, N.B.
Angus Baxter MacMillan	Grimsby, Ont.
Donald Ian Alasdair MacPhail	Windsor, Ont.
Mary Ellen Frances Morris	Windsor, Ont.
Boris Jordan Nickoloff	Kirkland Lake, Ont.
David Murray Robertson	Weyburn, Sask.
Ralph Ogilvie Robertson, B.A.	Selkirk, Man.
George Francis Roseborough, B.A.	Port Alberni, B.C.
Rudolph Rosen, M.A.	Montreal, Que.
Doreen Blanche Ryan	Regina, Sask.
Lloyd Alexander Sagle	Sault Ste. Marie, Ont.

Douglas Arnold Sallis	Kingston, Ont.
Kendall Roy Sawrey, B.Sc.	Westport, Ont.
Frank Jamieson Sellers	Winnipeg, Man.
Hubert Hedley Smith	Toronto, Ont.
Valdy Julian Spakowski	Windsor, Ont.
Laurence Perrin Sterns	Ottawa, Ont.
Cameron McKinnon Stevenson	Kingston, Ont.
David Alexander Taylor	Ottawa, Ont.
Gordon Douglas Thompson	North Bay, Ont.
James William Tweedie	Rockland, Ont.
Edward Warren Twiddy	Frankford, Ont.
Glendon Frederick VanCott	Picton, Ont.
William John Whaley	Kitchener, Ont.
John Ross Wherrett	Ottawa, Ont.
William Robert Whyte	Arnprior, Ont.
Lawrence Winton	Saskatoon, Sask.
Melville Leslie Stuart Woods, B.Sc.	Winnipeg, Man.
Alfred Kenneth Wyllie	Kingston, Ont.

## SECOND YEAR

Eva Theresa Bekker	Hoboken, N.J.
Robert Bell	Windsor, Ont.
Charles Edward Bird	Gananoque, Ont.
Charles Francis Bolton	Milestone, Sask.
William Alan Britton	Ottawa, Ont.
Thomas Paul Broome	Kitchener, Ont.
Charles Rufus Alexander Brown	Windsor, Ont.
Lee Morton Brown, B.Sc.	Windsor, Ont.
Bruce Magoffin Carruthers	Miraj, India.
Zdenek Frantisek Chrastansky	Kingston, Ont.
Howard Francis Clement	Niagara Falls, Ont.
William Edward N. Corbett	Ottawa, Ont.
John Joseph Corr	Windsor, Ont.
John Felix Costanzo, B.S.	Niagara Falls, Ont.
Anthony Otto Daicar	Batawa, Ont.
Irving Dain	Ottawa, Ont.
Harrison Gordon Day	Oshawa, Ont.
David Frederick Donevan	Oshawa, Ont.
Carl Kenneth Dresser	Riverside, Ont.
Gerald Dwayne Eaton	Cornwall, Ont.
Thomas Harold Echlin	Windsor, Ont.
Alan Morton Elliott	Napanee, Ont.
Keith Richard Flegg	Regina, Sask.
Jaroslav Frei	Ottawa, Ont.

Peter Robert Galbraith	Ottawa, Ont.
Henry Christian Egeberg Gasmann, B.Sc.	Montreal, Que.
James Bingham Howe	Ottawa, Ont.
Doris Harriet Hubbard	Hawkesbury, Ont.
David William Hurst	Charlottetown, P.E.I.
William Mark Jacques	Sarnia, Ont.
William MacGregor Johnston, B.A.	Listowel, Ont.
Donald William Keenleyside	Kingston, Ont.
Douglas Menzies Kilpatrick	Windsor, Ont.
Alexander Kiss	Hamilton, Ont.
Hugh Gregory Langley, A.B.	St. Catharines, Ont.
Peter Duncan McClure	North Bay, Ont.
Dugald Ian McIntyre	Hornepayne, Ont.
Ian Currie MacMillan	Regina, Sask.
John Minich	Hamilton, Ont.
David Clark Morley, B.A.	Riverside, Ont.
Malcolm Erwin Murray	Martintown, N.Y.
Lawrence James Nacey, B.S.	Rochester, N.Y.
Ira Timothy Johnson O'Neill	Trenton, Ont.
William Patrick E. Paterson	Ottawa, Ont.
Manuel Pearl, B.A.	Montreal, Que.
Ernest Ward Pedley	St. Catharines, Ont.
James Nelson Phillips	Owen Sound, Ont.
Ronald Arthur Pond	Simcoe, Ont.
Lionel Rabin	Ottawa, Ont.
Donald Stewart Redfearn	Stoney Creek, Ont.
John Richard Ruedy	Ottawa, Ont.
Duncan Ian Stephen, B.Sc.	Montreal, Que.
Victor Stollar	Saskatoon, Sask.
James Gordon Taggart	Ottawa, Ont.
Herbert Edwin Thomas, B.Sc.	Quebec City, Que.
Arne Olavi Tikkala, B.Sc.	Deep River, Ont.
Allen Vincent Trainor, B.S.	Los Angeles, Cal.
Charles Edwin Weatherston	Guelph, Ont.
Ralph Douglas Wilkinson	Hamilton, Ont.
George Kazimierz Wlodek	Ottawa, Ont.
Frederick James Wright	Hamilton, Ont.

#### FIRST YEAR

Stanley Elmer Acres, B.A.	Kingston, Ont.
Bentley Keith Akins	Milton, Ont.
Norman Ronald Aldous	Oshawa, Ont.
John Wallace Arthurs	Prescott, Ont.
Francis James Bazant	Strathmore, Alberta.



James Douglas Bell	Hamilton, Ont.
Robert Wesley See Boston	Roblin, Ont.
John Frederick Burrows	Belleville, Ont.
John Maxwell Cameron	Merriton, Ont.
Lloyd Niels Carlsen	Wauchope, Sask.
Donald Hamilton Carroll	Whitby, Ont.
Eujean Bert Conn	Brighton, Ont.
Paul Bowman Corbett	Rockville Centre, N.Y.
William James Costello	Beaver Dam, Wisconsin
Irving Dardick	Kingston, Ont.
Hugh Donald Davidson	Smith's Falls, Ont.
Albert Joseph DiFrancesco, B.A.	Hamilton Ont.
Gael Machray Douglas-Murray	Montreal, Que.
John Edward Emery	London, Ont.
Paul David Gatfield	Windsor, Ont.
George Lewis Gear	Ottawa, Ont.
Robert Sterling Kelusky Gibson	Belleville, Ont.
Bruce Arthur Gordon	North Bay, Ont.
George Robert Crosby Wilson Gray	Kingston, Ont.
Leroy William Hall	North Augusta, Ont.
Gwendolen Oenone Hay	Kingston, Ont.
William John Tweedy Hewitt	Smith's Falls, Ont.
Andrew Aitkenhead Horn	Guelph, Ont.
James Kirk Houston	Shaunavon, Sask.
Graham Lorne Howard	Regina, Sask.
Donald Baine Jennings	Windsor, Ont.
Ralph Stuart Lewis	Nelson, B.C.
Allan Hugh McFarlane	Hamilton, Ont.
James Donald McKenna	East Riverside, N.B.
Alexander Colin McKinley	Rolphton, Ont.
Malcolm Marcoe	Regina, Sask.
Ian Loye Matheson	Yorkton, Sask.
Raymond Jack Middleton	Malton, Ont.
Henry Telford James Mount	Ottawa, Ont.
Harold Everett Levoy Nelson	Stoney Creek, Ont.
David Robert Offord	Ottawa, Ont.
Donald Ray Perrin	Brockville, Ont.
David Louis Podell, Jr. A.B.	New York, N.Y.
Robert Graham Redfearn	Stoney Creek, Ont.
Alan Denis Robson	Queen's Village, L.I.
Jacob Rosenblatt	Yorkton, Sask.
Frank Victor Rouse	Hamilton, Ont.
Walter Henry Rubins	Montreal, Que.
Isobel Rutherford	Sarnia, Ont.

Peter Allan Scott	Ottawa, Ont.
Paula Jane Shea	Foxboro, Mass.
Jacob Julius Shekter	Hamilton, Ont.
Sandra Josephine Sims	Grimby, Ont.
Gerhard Ernest Steinhoff	Fort William, Ont.
William Robert Paul Surphlis	Brantford, Ont.
Herbert Alfred Bolton Tipler	North Bay, Ont.
Mary Anne Tolmie	Toronto, Ont.
Donald Howard Upton	Kapuskasing, Ont.
John Dennis Valberg	Regina, Sask.
Kenneth Barrie Wilson	Britannia Bay, Ont.
Ruth Susanne Maria Witrofsky	Ottawa, Ont.
Donald Anthony Wolochow	Ottawa, Ont.
Raymond George Yaworsky	Windsor, Ont.
William Everett Zufelt	Frankford, Ont.

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